

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

IED WORKING PAPER

Documentation of the
Elasticities Underlying
the Current Grains,
Oilseeds, and Livestock
(GOL) Model

January 21, 1980

Robert V. Bishop

**International
Economics
Division**



Economics, Statistics, and Cooperatives Service

U.S. Department of Agriculture

This manuscript has been reproduced for review and discussion only. It has not been cleared for publication and should not be cited as a reference.

**United States
Department of
Agriculture**



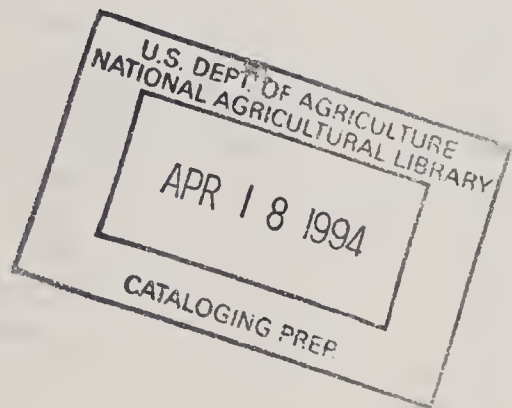
National Agricultural Library

a 4D4000
.5
.B5

Documentation of the
Elasticities Underlying
the Current Grains,
Oilseeds, and Livestock
(GOL) Model

January 21, 1980

Robert V. Bishop



List of Tables

Section I: Demand and Supply Elasticities by GOL Region

Table I. Demand Elasticities for Meat	4
Table II. Supply Elasticities of Meat	5
Table III. Demand Elasticities for Grains (Food)	6
Table IV. Demand Elasticities for Grains (Feed)	7
Table V. Supply Elasticities of Grains	9
Table VI. Demand Elasticities for Dairy Products	12
Table VII. Supply Elasticities of Dairy Products	13
Table VIII. Area Elasticities	14

Section II: Demand and Supply Elasticities by Commodity

Table IX. Demand Elasticities for Wheat (Food)	17
Table X. Demand Elasticities for Wheat (Feed)	18
Table XI. Supply Elasticities of Wheat	19
Table XII. Demand Elasticities for Coarse Grains (Food)	20
Table XIII. Demand Elasticities for Coarse Grains (Feed)	21
Table XIV. Supply Elasticities of Coarse Grains	22
Table XV. Demand Elasticities for Rice	23
Table XVI. Supply Elasticities of Rice	24
Table XVII. Demand Elasticities for Oilmeal	25
Table XVIII. Supply Elasticities of Oilmeal	26
Table XIX. Demand Elasticities for Total Grains	27
Table XX. Total Area Elasticities	28
Table XXI. Area Elasticities for Wheat	29
Table XXII. Area Elasticities for Coarse Grains	30
Table XXIII. Area Elasticities for Rice	31
Table XXIV. Area Elasticities for Oilmeal	32
Table XXV. Demand Elasticities for Beef	33
Table XXVI. Supply Elasticities of Beef	34
Table XXVII. Demand Elasticities for Pork	35
Table XXVIII. Supply Elasticities of Pork	36
Table XXIX. Demand Elasticities for Poultry	37
Table XXX. Supply Elasticities of Poultry	38
Table XXXI. Demand Elasticities for Mutton	39
Table XXXII. Supply Elasticities of Mutton	40
Table XXXIII. Demand Elasticities for Milk	41
Table XXXIV. Supply Elasticities of Milk	42
Table XXXV. Demand Elasticities for Cheese	43
Table XXXVI. Supply Elasticities of Cheese	44
Table XXXVII. Demand Elasticities for Butter	45

Section III. Implied Base Price and Quantity Documentation

Table XXXVIII. Implied 1970 Base Price Data by Region	46
Table XXXIX. Implied Base Prices by Commodity	61
Table XL. Implied 1970 Base Quantities by Region	75
Table XLI. Implied Base Quantities by Commodity	83

This paper presents all of the price elasticities currently contained in the World Grain, Oilseeds and Livestock (GOL) Model. The elasticities presented here differ from those listed in Alternative Futures for World Food in 1985, Volume 3 (FAER 151) since many of the intercept terms of the model's equations have been adjusted as new information has become available.

The first part of this paper describes the construction of the "synthesized coefficients" in each of the equations. The second part describes the effect of changing intercept terms on the assumed elasticities underlying the model. The demand equation for table beef in the United States is given in the model as:

$$(1) \quad USQDBT = -1.922USPDB + .9235USPTB + .3629USPDP + 2381.35 + 5982[1 + .4(.02921) + .00726]^T$$

where: PDB = demand price of beef (US),
 PTB = trade price of beef (US),
 PDP = demand price of pork.

The coefficients on the price variables in (1) are slope coefficients which had been "synthesized" from either estimated or assumed price elasticities. For example, the own price coefficient in (1) is -1.922, which represents the instantaneous change in the quantity of table beef demanded given an instantaneous change in the demand price of beef, ceteris paribus ($\frac{\partial Q_{DBT}}{\partial P_B}$). If one assigns a value to the own price elasticity of demand for table beef, evaluated at the base price and quantity,

$$(2) \quad Ed_{BT} = \frac{\partial Q_{DBT}}{\partial P_B} \frac{P_B}{Q_{DBT}} = -.7$$

where: P_B = base 1970 price of beef,
 Q_{DBT} = base 1970 quantity demanded of table beef.

The slope coefficient can be synthesized from the elasticity by multiplying the elasticity by the ratio of the base quantity of table beef to the base price of beef:

$$(3) \quad \text{Synthesized slope coefficient} = Ed_{BT} \cdot \frac{Q_{DBT}}{P_B} = \left[\frac{\partial Q_{DBT}}{\partial P_B} \cdot \frac{P_B}{Q_{DBT}} \right] \cdot \frac{Q_{DBT}}{P_B} =$$

where: Q_{DBT} and P_B are defined as above. $\frac{\partial Q_{DBT}}{\partial P_B}$

The slope coefficients for each of the price variables in every equation are determined in this fashion.

The bracketed term in (1) (along with the base quantity to which it is multiplied by) can be expressed in general notation as:

$$Q_{BASE_i} \cdot [1 + N_i (r_y) + r_{pop}]^T$$

where: Q_{BASE_i} is the base quantity of good i ,
 N_i is the income elasticity of good i ,
 r_y is the income growth rate,
 r_{pop} is the population growth rate.

Note that the power to which the bracketed term is raised is T . Since the base is centered on 1970, to solve for 1985, T is set equal to 15. To solve for the base period, T is set equal to 0. At $T=0$, the bracketed term to the zero power is 1 and equation (1) can be written (at $T=0$) as:

$$(4) \quad USQDBT = (-1.922USPDB + .9235USPTB + .3629USPDP) + a + USQDBT_{BASE}$$

Rewriting (4), letting b_i equal the i th slope coefficient and PD_i equal the i th price (in the base period):

$$(5) \quad USQDBT = \sum_{i=1}^n b_i PD_i + a + USQDBT_{BASE}$$

If a (the intercept term) is set equal to $-\sum_{i=1}^n b_i PD_i$ [as it is in the original model], at $T=0$ equation (5) becomes:

$$(6) \quad USQDBT = USQDBT_{BASE}$$

Therefore, solving the model for $T=0$ results in a replication of the base data. This serves as a check to insure that no error was encountered either in the computations of the intercepts or in the entering of the data.

If, however, the intercept term is changed, the model would (at $T=0$) solve for some value other than the original base. Therefore, the elasticities implied at the computed base are now different. This paper documents all of the elasticities in the model as it is currently formulated. The price elasticities can be compared with those presented in FAER 151. The income

elasticities have not been altered from the values given in the original documentation (FAER 151).

These results can be generalized to any modeling system to which "constant adjustments" or "fudge factors" have been effected. Although no criticism is leveled at this practice, one must keep in mind that the underlying assumptions are being affected.

Section I describes the demand and supply elasticities in the current GOL model by region. Section II presents the elasticities broken down by commodity.

Section III gives the implied base documentation (price and quantity) both by region and commodity.

It is hoped that this paper will serve in some small way to aid in the understanding of the GOL model as currently operating as well as aid in identifying areas to which further examination is indicated.

Table I. Demand Elasticities for Meat

Elasticity with respect to Price of:									
REGION	BEEF	PORK	POULTRY	MUTTON	REGION	BEEF	PORK	POULTRY	MUTTON
.....
US					AZ				
BEEF	-.76	.11	.11		BEEF	-.57			.22
PORK	.44	-.94			PORK	-.23	.46		
POULTRY	.34	.24	-1.16		POULTRY				
MUTTON					MUTTON	.44			-.85
CN					SF				
BEEF	-.65	.34	.17		BEEF		.11		
PORK	.46	-.94			PORK				
POULTRY	.35	.25	-.60		POULTRY				
MUTTON					MUTTON				
CA					NC				
BEEF	-.72	.33	.11		BEEF	-.45			
PORK	.55	-.92			PORK	.11	-.34		
POULTRY	.41	.57	-1.23		POULTRY				
MUTTON	.15	.16		-.25	MUTTON				
CO					AB				
BEEF	-.65	.22	.06	-.21	BEEF	-.45	.35		
PORK	.20	-.92		.18	PORK	.22	-.45		
POULTRY	.33	.34	-.69		POULTRY				
MUTTON	.10	.11	.11	-.1	MUTTON	.22			-.42
WE					BZ				
BEEF	-.62	.22	.11		BEEF	-.68			
PORK	.22	-.90			PORK	.24	-.74		
POULTRY	.11	.23	-.91		POULTRY				
MUTTON	.15	.16		-.25	MUTTON				
JP									
BEEF	-1.20	.26	.36						
PORK	.20	-.93							
POULTRY	.53	.18	-1.20						
MUTTON	-.41	.21	.32	-.43					

Elasticity with respect to Price of:

5

REGION	BEEF	PORK	POULTRY	MUTTON	COARSE GRAINS	OILMEAL	MILK
US							
BEEF	.34				-.26	-.06	
PORK		.61			-.53	-.13	
POULTRY			1.11		-.81	-.27	
MUTTON							
CN							
BEEF	.46	-.12			-.26	-.06	
PORK	-.24	.75	-.25		-.55	-.13	
POULTRY	-.12	-.25	.87		-.54	-.25	
MUTTON							
C6							
BEEF	.43	-.17			-.22	-.12	.16
PORK	-.33	.80	-.34		-.44	-.25	
POULTRY	-.22	-.23	.80		-.43	-.38	
MUTTON	-.16			.31	-.16		.16
C3							
BEEF	.43	-.17			-.22	-.12	.16
PORK	-.16	.79	-.17		-.44	-.24	
POULTRY	-.22	-.23	.81		-.44	-.37	
MUTTON	-.16			.31	-.16		.15
WE							
BEEF	.43	-.17			-.21	-.12	.16
PORK	-.22	.56	-.22		-.32	-.18	
POULTRY	-.22	-.23	.68		-.33	-.31	
MUTTON	-.16			.31	-.16		.16
JP							
BEEF	.53	-.11	-.12		-.37		.24
PORK		.84	-.26		-.54	-.26	-.2
POULTRY		-.22	.83		-.5	-.36	
MUTTON							
AZ							
BEEF	.43			-.1			
PORK	-.11	.36			-.28		
POULTRY							
MUTTON				.21			
SF							
BEEF							
PORK							
POULTRY							
MUTTON							
MC							
BEEF	.43	-.11					
PORK	-.11	.35			-.48		
POULTRY							
MUTTON							
AR							
BEEF	.52						
PORK	-.11	.34			-.25		
POULTRY							
MUTTON				.21			
BZ							
BEEF	.53						
PORK	-.12	.49			-.41	-.2	
POULTRY							
MUTTON							

Elasticity with respect to Price of:

REGION	WHEAT	COARSE GRAIN	RICE		REGION	WHEAT	COARSE GRAIN	RICE
US				:	VN			
WHEAT	-.28			:	WHEAT	-.40	.13	.12
C_GRAIN		-.27		:	C_GRAIN	.19	-.31	
RICE			-.21	:	RICE	.05		-.02
CN				:	LA			
WHEAT	-.05	.03		:	WHEAT	-.32	.19	.11
C_GRAIN	.05	-.10		:	C_GRAIN	.26	-.45	
RICE			-.34	:	RICE	.24		-.21
C6				:	NH			
WHEAT	-.21			:	WHEAT	-.31	.02	.03
C_GRAIN		-.16		:	C_GRAIN	.18	-.18	.09
RICE			-.24	:	RICE	.18	.05	-.28
C3				:	NL			
WHEAT	-.21			:	WHEAT	-.26	.12	.18
C_GRAIN		-.21		:	C_GRAIN	.24	-.38	.15
RICE			-.18	:	RICE	.19	.12	-.30
WE				:	EF			
WHEAT	-.26	.11		:	WHEAT	-.37	.19	.06
C_GRAIN	.10	-.24		:	C_GRAIN	.02	-.05	.01
RICE	.20		-.35	:	RICE	.06	.10	-.16
JP				:	ND			
WHEAT	-.64		.56	:	WHEAT	-.49	.11	.17
C_GRAIN		-.24		:	C_GRAIN	.12	-.40	.12
RICE	.14		-.43	:	RICE	.12	.01	-.44
AZ				:	OS			
WHEAT	-.18			:	WHEAT	-.34		.21
C_GRAIN		-.22		:	C_GRAIN	.04	-.05	.05
RICE			-.12	:	RICE	.23	.03	-.33
SF				:	TH			
WHEAT	-.18	.12		:	WHEAT	-.06	.01	.24
C_GRAIN	.04	-.10		:	C_GRAIN		-.12	.24
RICE	.13		-.25	:	RICE		.01	-.07
MC				:	OE			
WHEAT	-.41	.18	.11	:	WHEAT	-.12		.19
C_GRAIN	.06	-.24		:	C_GRAIN			
RICE	.23	.06	-.45	:	RICE	.01		-.06
AR				:	DO			
WHEAT	-.14	.06		:	WHEAT	-.71	.49	1.15
C_GRAIN	.07	-.12		:	C_GRAIN	.06	-.65	.61
RICE	.07		-.26	:	RICE	.05	.04	-.29
BZ				:	EH			
WHEAT	-.22	.09	.08	:	WHEAT	-.87	.11	.51
C_GRAIN	.06	-.18	.05	:	C_GRAIN	.12	-.37	.22
RICE	.23	.02	-.21	:	RICE	.20	.06	-.34
				:	EL			
				:	WHEAT	-.46	.25	.19
				:	C_GRAIN	.12	-.58	.34
				:	RICE	.07	.06	-.27

Table IV. Demand Elasticities for Grains (for Feed Use)

Elasticity with respect to Price of:							
REGION	WHEAT	COARSE GRAINS	RICE	OILMEAL	BEEF	PORK	POULTRY
US							
WHEAT	-10.73	5.66					
C_GRAINS	.57	-.39		.06	.2	.13	.1
OILMEAL		.07		-.3	.01	.01	.01
TOTAL_GR							
CN							
WHEAT	5.50	-1.97		-2.47		-1.18	-3.72
C_GRAINS		-.38		.11	.35		
OILMEAL				-.99			
TOTAL_GR							
C6							
WHEAT							
C_GRAINS	.17	-.42		.19	.09	.11	.04
OILMEAL	.57	.88		-.95	.15	.18	.07
TOTAL_GR		.30		-.26	-.02	-.03	-.01
C3							
WHEAT							
C_GRAINS	.17	-.43		.19	.09	.11	.04
OILMEAL	.55	.86		-.89	.14	.18	.07
TOTAL_GR		.25		-.21	-.02	-.02	-.01
WE							
WHEAT	-.78	.47		.12			.6
C_GRAINS		-.21		.05			
OILMEAL		1.16		-.22		1	
TOTAL_GR							
JP							
WHEAT							
C_GRAINS	.69	-.37	.86	.05	.24	.07	.04
OILMEAL	.09			-.02	.1	.27	.14
TOTAL_GR							
AZ							
WHEAT	-.28						
C_GRAINS							
OILMEAL				-.36			
TOTAL_GR		.32				-.27	
SF							
WHEAT							
C_GRAINS		-.40					
OILMEAL							
TOTAL_GR							
MC							
WHEAT							
C_GRAINS		-.13				.13	
OILMEAL		.13		-.13			
TOTAL_GR							
AR							
WHEAT							
C_GRAINS		-.38				.34	
OILMEAL				-.82			
TOTAL_GR							

Elasticity with respect to Price of:

REGION	WHEAT	COARSE GRAINS	RICE	OILMEAL	BEEF	PORK	POULTRY
BZ							
WHEAT							
C_GRAINS	.14	-.24		.27		.28	
OILMEAL		.28		-1.14			
TOTAL_GR							
WN							
WHEAT							
C_GRAINS		-.11					
OILMEAL							
TOTAL_GR							
LA							
WHEAT							
C_GRAINS		-.75					
OILMEAL				-.62			
TOTAL_GR							
NH							
WHEAT							
C_GRAINS		-.07					
OILMEAL				-.1			
TOTAL_GR							
NL							
WHEAT							
C_GRAINS		-.12					
OILMEAL							
TOTAL_GR							
EF							
WHEAT							
C_GRAINS		-.07					
OILMEAL							
TOTAL_GR							
ND							
WHEAT							
C_GRAINS		-.35					
OILMEAL				-.26			
TOTAL_GR							
OS							
WHEAT							
C_GRAINS							
OILMEAL							
TOTAL_GR							
TH							
WHEAT							
C_GRAINS							
OILMEAL							
TOTAL_GR							
OE							
WHEAT							
C_GRAINS							
OILMEAL							
TOTAL_GR							
DO							
WHEAT							
C_GRAINS							
OILMEAL				-.3			
TOTAL_GR							
EE							
WHEAT							
C_GRAINS		-.24					
OILMEAL				-.38			
TOTAL_GR							
EL							
WHEAT							
C_GRAINS		-.06					
OILMEAL							
TOTAL_GR							

Elasticity with respect to Price of:

REGION	WHEAT	COARSE GRAINS	RICE	OILMEAL	SOYBEANS
US					
WHEAT	.04				
C_GRAINS		.09			
RICE			.10		
OILMEAL					.03
SOYBEANS					
CN					
WHEAT	.18				
C_GRAINS		.20			
RICE					
OILMEAL				.21	
SOYBEANS					
C6					
WHEAT	.42				
C_GRAINS		.49			
RICE			.32		
OILMEAL					
SOYBEANS					
C3					
WHEAT	.28				
C_GRAINS		.39			
RICE					
OILMEAL				.02	
SOYBEANS					
WE					
WHEAT	.30				
C_GRAINS		.29			
RICE			.20		
OILMEAL				.14	
SOYBEANS					
JP					
WHEAT	.38				
C_GRAINS		2.34			
RICE			.40		
OILMEAL				.11	
SOYBEANS					.3
AZ					
WHEAT	.15				
C_GRAINS		.15			
RICE			-.18		
OILMEAL				.14	
SOYBEANS					
SF					
WHEAT	.36				
C_GRAINS		.42			
RICE					
OILMEAL				.12	
SOYBEANS					

Table V. Continued. Supply Elasticities for Grains

Elasticity with respect to Price of:

REGION	WHEAT	COARSE GRAINS	RICE	OILMEAL	SOYBEANS
MC					
WHEAT	.22				
C_GRAINS		.08			
RICE			.10		
OILMEAL				.06	
SOYBEANS					
AR					
WHEAT	.11				
C_GRAINS		.16			
RICE			.21		
OILMEAL				.11	
SOYBEANS					
BZ					
WHEAT	.06				
C_GRAINS		.11			
RICE			.10		
OILMEAL				.02	
SOYBEANS					
WN					
WHEAT					
C_GRAINS		.16			
RICE			.12		
OILMEAL					
SOYBEANS					
LA					
WHEAT	.11				
C_GRAINS		.05			
RICE			.24		
OILMEAL				.12	
SOYBEANS					
NH					
WHEAT	.09				
C_GRAINS		.04			
RICE			.16		
OILMEAL					
SOYBEANS					
NL					
WHEAT	.13				
C_GRAINS		.05			
RICE			.17		
OILMEAL					
SOYBEANS					
EF					
WHEAT	.06				
C_GRAINS		.08			
RICE			.37		
OILMEAL					
SOYBEANS					
ND					
WHEAT	.10				
C_GRAINS		.04			
RICE			.08		
OILMEAL				.18	
SOYBEANS					

Elasticity with respect to Price of:

REGION	WHEAT	COARSE GRAINS	RICE	OILMEAL	SOYBEANS
.....
OS					
WHEAT	.05				
C_GRAINS		.01			
RICE			.03		
OILMEAL					
SOYBEANS					
TH					
WHEAT					
C_GRAINS		.11			
RICE			.11		
OILMEAL					
SOYBEANS					
OE					
WHEAT					
C_GRAINS					
RICE			.17		
OILMEAL					
SOYBEANS					
DO					
WHEAT					
C_GRAINS		.07			
RICE			.11		
OILMEAL				.03	
SOYBEANS					
EH					
WHEAT	.21				
C_GRAINS		.21			
RICE			.15		
OILMEAL				.02	
SOYBEANS					
EL					
WHEAT					
C_GRAINS		.06			
RICE			.10		
OILMEAL					
SOYBEANS					

Elasticity with respect
to Price of:

REGION	MILK	BUTTER	CHEESE
US			
MILK	-.20		
BUTTER		-1.59	
CHEESE			-.32
CN			
MILK	-.20		
BUTTER		-1.01	
CHEESE			-.57
C6			
MILK	-.25		
BUTTER		-.78	
CHEESE			-.62
C3			
MILK	-.16		
BUTTER		-.61	
CHEESE			-.64
WE			
MILK	-.21		
BUTTER		-.56	
CHEESE			-.75
JP			
MILK	-.79		
BUTTER		-1.24	
CHEESE			-2.39
AZ			
MILK	-.20		
BUTTER		-.78	
CHEESE			-.42

Elasticity with respect to Price of:

REGION	MILK	CHEESE	BUTTER	BEEF	COARSE GRAIN	OILMEAL
US MILK CHEESE	.68 ^a	.86	-1.18	-.17	-.6	-.4
CN MILK CHEESE	.36	.71	-.79		-.57	-.27
C6 MILK CHEESE	.40				-.57	-.39
C3 MILK CHEESE	.37				-.22	-.12
WE MILK CHEESE	.32	.53			-.37	-.12
JP MILK CHEESE	.90				-.28	-.32
AZ MILK CHEESE	.53	1.71	-2.05		-.24	

Table VIII. Area Elasticities

Elasticity with respect to Price of:

REGION	WHEAT	COARSE GRAINS	SOYBEANS	RICE	OILMEAL
US					
HAT	.67	1.42	.55		
HAW	2.08	-1.43	-.51		
HAC	-.73	1.90	-.80		
HAR				.82	
HAK	1.15	-4.96	4.31		
CN					
HAT	.72				
HAW	.52	-.38	-.13		
HAC	-.65	.62	-.16		
HAR					
HAK	-.17	-.24	.89		
C6					
HAT		.11			
HAW	.79	-.82			
HAC	-.67	.69			
HAR				.15	
HAK					
C3					
HAT		.17			
HAW	.68	-.63			
HAC	-.19	.18			
HAR					
HAK					
WE					
HAT		.21			
HAW	.26	-.26			
HAC	-.19	.19			-.01
HAR				.18	
HAK	.12				
JP					
HAT				.1	
HAW					
HAC					
HAR			-.02	.02	
HAK					
AZ					
HAT	.92				
HAW	.38	-.39			
HAC	-.61	.63			
HAR				.11	
HAK					.26

REGION	WHEAT	COARSE GRAINS	SOYBEANS	RICE	OILMEAL
SF					
HAT		.28			
HAW	.41				
HAC		.42			-.42
HAR					
HAK					
MC					
HAT		.23			
HAW	.51	-.28			-.08
HAC	-.02	.04			-.02
HAR				.15	
HAK	-.27	-.58			.59
AR					
HAT		.16			
HAW	.42	-.29			
HAC	-.25	.32			-.17
HAR				.26	
HAK	-.17	-.29			.48
BZ					
HAT	.24				.23
HAW	.81	-1.01			
HAC	-.12	.35			-.22
HAR		-.13		.24	
HAK		-.28			.41
VN					
HAT		.11			
HAW					
HAC		.16			
HAR		-.57		.41	
HAK					
LA					
HAT	.21				
HAW	.21	.05			
HAC	-.11	.05			-.03
HAR		-.11		.24	
HAK		-.06			.23
NH					
HAT	.18				
HAW	.13	-.04		-.04	
HAC	-.18	.05			
HAR				.58	
HAK					
NL					
HAT	.07				
HAW	.19	-.07			
HAC	-.20	.08			
HAR				.26	
HAK					
EF					
HAT		.19			
HAW	.12				
HAC		.12			
HAR				.52	
HAK					
ND					
HAT	.03			.03	
HAW	.37	-.14		-.25	
HAC	-.06	.19		-.11	-.08
HAR		-.11		.26	
HAK	-.06	-.13		-.09	.22

Table VIII. Continued. Area Elasticities

Elasticity with respect to Price of:

REGION	WHEAT	COARSE GRAINS	SOYBEANS	RICE	OILMEAL
OS					
HAT	.06			.02	
HAW	.08	-.01		-.04	
HAC	-.13	.04			
HAR				.03	
HAK					
TH					
HAT		.17		.23	
HAW					
HAC		.11			
HAR				.06	
HAK					
CE					
HAT					
HAW					
HAC					
HAR				.17	
HAK					
DO					
HAT				.22	
HAW					
HAC		.16			-.12
HAR		-.03		.22	
HAK		-.15			.37
EH					
HAT				.21	
HAW	.26			-.2	
HAC		.31		-.26	
HAR	-.01	-.10		.2	
HAK		-.19		-.26	.29
EL					
HAT				.2	
HAW					
HAC		.12		-.13	
HAR		-.07		.08	
HAK					

Elasticity with Respect to Price of:

Region	Wheat	Coarse Grains	Price
US	-.28		
CN	-.05	.03	
C6	-.21		
C3	-.21		
WE	-.26	.11	
JP	-.64		.56
AZ	-.18		
SF	-.18	.12	
MC	-.41	.18	.11
AR	-.14	.06	
BZ	-.22	.09	.08
VN	-.40	.13	.12
LA	-.32	.19	.11
NH	-.31	.02	.03
NL	-.26	.12	.18
EF	-.37	.19	.06
ND	-.49	.11	.17
OS	-.34		.21
TH	-.06	.01	.24
OE	-.12		.19
DO	-.71	.49	1.13
EH	-.87	.11	.51
EL	-.46	.25	.19

Table X. Commodity: Wheat (Feed) Demand

Elasticity with Respect to Price of:

Region	Wheat	Coarse Grains	Oilmeal	Pork	Poultry
US	-10.73	5.66			
CN	5.50	-1.97	-2.47	-1.18	-3.72
WE	-.78	.47	.12		.60
AZ	-.28				

Table XI. Commodity: Wheat Supplied

Elasticity with Respect to Price of:.

Region	:	Wheat
US		.04
CN		.18
C6		.42
C3		.28
WE		.30
JP		.38
AZ		.15
SF		.36
MC		.22
AR		.11
BZ		.06
LA		.11
NH		.09
NL		.13
EF		.06
ND		.10
OS		.05
EH		.21

Table XII. Commodity: Coarse Grains (Human) Demand

Elasticity with Respect to Price of:

Region	Coarse Grains	Wheat	Price
US	-.27		
CN	-.10	.05	
C6	-.16		
C3	-.21		
WE	-.24	.10	
JP	-.24		
AZ	-.22		
SF	-.10	.04	
MC	-.24	.06	
AR	-.12	.07	
BZ	-.18	.06	.05
VN	-.31	.19	
LA	-.45	.26	
NH	-.18	.18	.09
NL	-.38	.24	.15
EF	-.05	.02	.01
ND	-.40	.12	.12
OS	-.05	.04	.05
TH	-.12		.24
OE			
DO	-.65	.06	.61
EH	-.37	.12	.22
EL	-.58	.12	.34
CF			

Table XIII. Commodity: Coarse Grains (Feed) Demand

Elasticity with Respect to Price of:

Region	: Coarse : Grains	: Wheat	: Oilmeal	: Beef	: Pork	: Poultry	: Rice
US	-.39	.57	.06	.20	.13	.10	
CN	-.38		.11	.35			
C6	-.42	.17	.19	.09	.11	.04	
C3	-.43	.17	.19	.09	.11	.04	
WE	-.21		.05				
JP	-.37	.69	.05	.24	.07	.04	.86
SF	-.40						
MC	-.13				.13		
AR	-.38				.34		
BZ	-.24	.14	.27		.28		
VN	-.11						
LA	-.75						
NH	-.07						
NL	-.12						
EF	-.07						
ND	-.35						
EH	-.24						
EL	-.06						

Table XIV. Commodity: Coarse Grains Supplied

Elasticity with Respect to Price of:

Region	:	Coarse Grains
US		.09
CN		.20
C6		.49
C3		.39
WE		.29
JP		2.34
AZ		.15
SF		.42
MC		.08
AR		.16
BZ		.11
VN		.16
LA		.05
NH		.04
NL		.05
EF		.08
ND		.04
OS		.01
TH		.11
DO		.07
EH		.21
EL		.06

Elasticity with Respect to Price of:

Region	Rice	Wheat	Coarse Grains
US	-.21		
CN	-.34		
C6	-.24		
C3	-.18		
WE	-.35	.20	
JP	-.42	.14	
AZ	-.12		
SF	-.25	.13	
MC	-.45	.23	.06
AR	-.26	.07	
BZ	-.21	.23	.02
VN	-.02	.05	
LA	-.21	.24	
NH	-.22	.18	.05
NL	-.32	.19	.12
EF	-.16	.06	.10
ND	-.44	.12	.01
OS	-.33	.23	.03
TH	-.07		.01
OE	-.06	.01	
DO	-.29	+.05	+.04
EH	-.34	.20	.06
EL	-.27	.07	.06

Table XVI. Commodity: Rice Supplied

. Elasticity with Respect to Price of:

Region	:	Rice
US		.10
C6		.32
WE		.20
JP		.40
AZ		-.18
MC		.10
AR		.21
BZ		.10
VN		.12
LA		.24
NH		.16
NL		.17
EF		.37
ND		.08
OS		.03
TH		.11
OE		.17
DO		.11
EH		.15
EL		.10

Table XVII. Commodity: Oilmeal (Feed) Demand

Elasticity with Respect to Price of:

Region	: Oilmeal	: Coarse Grains	: Beef	: Pork	: Poultry	: Wheat
US	-.30	.07	.01	.01	.01	
CN	-.99					
C6	-.95	.88	.15	.18	.07	.57
C3	-.89	.86	.14	.18	.07	.55
WE	-.22	1.16		1.00		
JP	-.02		.10	.27	.14	.09
AZ	-.36					
MC	-.13	.13				
AR	-.82					
BZ	-1.14	.28				
LA	-.62					
NH	-.10					
ND	-.26					
DO	-.30					
EH	-.38					

Table XVIII Commodity: Oilmeal Supplied

Elasticity with Respect to Price of:

Region	:	Oilmeal	:	Sovbeans
US		-		.03
CN		.21		
C3		.02		
WE		.14		
JP		.11		
AZ		.14		
SF		.12		
MC		.06		
AR		.11		
BZ		.02		
LA		.12		
ND		.18		
DO		.03		
EH		.02		

Table XIX. Commodity: Total Grains (Feed) Demand

Elasticity with Respect to Price of:

Region	: Total Grains	: Coarse Grains	: Oilmeal	: Beef	: Pork	: Poultry
C6		.30	-.26	-.02	-.03	-.01
C3		.25	-.21	-.02	-.02	-.01
AZ		.32			-.27	
US	-10.73					

Table XX. Commodity: Total Area

Elasticity with Respect to Price of:

Region	Wheat	Coarse Grains	Soybeans	Rice	Oilmeal
US	.67	1.42	.55		
CN	.72				
C6		.11			
C3		.17			
WE		.21			
JP				.10	
AZ	.92				
SF		.28			
MC		.23			
AR		.16			
BZ	.24				.23
VN		.11			
LA	.21				
NH	.18				
NL	.07				
EF		.19			
ND	.03			.03	
OS	.06			.02	
TH		.17		.23	
DO				.22	
EH				.21	
EL				.20	

Table XXI. Commodity: H.A. Wheat

Elasticity with Respect to Price of:

Region	Wheat	Coarse Grains	Soybeans	Rice	Oilmeal
US	2.08	-1.43	-.51		
CN	.52	-.38	-.13		
C6	.79	-.82			
C3	.68	-.63			
WE	.26	-.26			
AZ	.38	-.39			
SF	.41				
MC	.51	-.28			-.08
AR	.42	-.29			
BZ	.81	-1.01			
LA	.21	.05			
NH	.13	-.04		-.04	
NL	.19	-.07			
EF	.12				
ND	.37	-.14		-.25	
OS	.08	-.01		-.04	
EH	.26			-.20	

Table XXII. Commodity: H.A. Coarse Grains

Elasticity with Respect to Price of:

Region	: Coarse Grains	: Wheat	: Soybeans	: Oilmeal	: Rice
US	1.90	-.73	-.80		
CN	.62	-.65	-.16		
C6	.69	-.67			
C3	.18	-.19			
WE	.19	-.19		-.01	
AZ	.63	-.61			
SF	.42			-.42	
MC	.04	-.02		-.02	
AR	.32	-.25		-.17	
BZ	.35	-.12		-.22	
VN	.16				
LA	.05	-.11		-.03	
NH	.05	-.18			
NL	.08	-.20			
EF	.12				
ND	.19	-.06		-.08	-.11
OS	.04	-.13			
TH	.11				
DO	.16			-.15	
EH	.31			-.12	-.26
EL	.12				-.13

Table XXIII. Commodity: H.A. Rice

Elasticity with Respect to Price of:

Region	Rice	Soybeans	Coarse Grains	Wheat	Oilmeal
US	.82				
C6	.15				
WE	.18				
JP	.02	-.02			
AZ	.11				
MC	.15				
AR	.26				
BZ	.24		-.13		
VN	.41		-.57		
LA	.24		-.11		
NH	.58			-.21	
NL	.26			-.02	
EF	.52				
ND	.26		-.11	-.06	
OS	.03			-.02	
TH	.06				
OE	.17				
DO	.22		-.03		
EH	.20		-.10	-.02	-.01
EL	.08		-.07		

Table XXIV. Commodity: H.A. Oilmeal

Elasticity with Respect to Price of:

Region	Wheat	Coarse Grains	Sovbeans	Oilmeal	Rice
US	1.15	-4.96	4.31		
CN	-.17	-.24	.89		
WE	.12				
AZ				.26	
MC	-.27	-.58		.59	
AR	-.17	-.29		.48	
BZ		-.28		.41	
LA		-.06		.23	
ND	-.06	-.13		.22	-.09
DO		-.15		.37	
EH		-.19		.29	-.26

Table XXV. Commodity: Beef Demand

Elasticity with Respect to Price of:

Region	:	Beef	:	Pork	:	Poultry	:	Mutton
US	T	-.76 .22		.11				
	P	.43 -.38		.11		.11		
CN		-.65		.34		.17		
C6		-.72		.33		.11		
C3		-.65		.22		.09		-.21
WE		-.62		.22		.11		
JP		-1.20		.26		.36		
AZ		-.57						.22
MC		-.45		.11				
AR		-.45						
BZ		-.68		.35				

Table XXVI.Commodity: Beef Supplied

Elasticity with Respect to Price of:

Region	Beef	Coarse Grains	Oilmeal	Pork	Milk (Total)	Poultry	Mutton
US	.34	-.26	-.06				
CN	.46	-.26	-.06	-.12			
C6	.43	-.22	-.12	-.17	.16		
C3	.43	-.22	-.12	-.17	.16		
WE	.43	-.21	-.12	-.17	.16		
JP	.53	-.37		-.11	.24	-.12	
AZ	.43						-.10
MC	.43			-.11			
AR	.52						
BZ	.53						

Table XXVII Commodity: Pork Demand

Elasticity with Respect to Price of:

Region	:	Pork	:	Beef	:	Poultry	:	Mutton
US		-.94		.44		.12		
CN		-.84		.46		.18		
C6		-.92		.55		.14		
C3		-.92		.20		.23		.18
WE		-.80		.22		.23		
JP		-.93		.20		.12		
AZ		.48		-.23				
MC		-.34		.11				
AR		-.45		.22				
BZ		-.74		.24				

Table XXVIII. Commodity: Pork Supplied

Elasticity with Respect to Price of:

Region	Pork	Corn	Oilmeal	Beef	Poultry	Milk
US	.61	-.53	-.13			
CN	.75	-.55	-.13	-.24	-.25	
C6	.80	-.44	-.25	-.33	-.34	
C3	.79	-.44	-.24	-.16	-.17	
WE	.56	-.50	-.18	-.22	-.22	
JP	.84	-.54	-.26		-.26	-.20
AZ	+.36	-.13		-.11		
MC	.35	-.13		-.11		
AR	.34	-.13		-.11		
DE	.49	-.11	-.20	-.12		

Table XXIX Commodity: Poultry Demand

Elasticity with Respect to Price of:

Region	:	Poultry	:	Beef	:	Pork
US		-1.18		.34		.24
CN		-.99		.35		.25
C6		-1.23		.41		.57
C3		-.69		.33		.34
WE		-.91		.11		.23
JP		-1.20		.53		.18

Table XXX. Commodity: Poultry Supply

Elasticity with Respect to Price of:

Region	: Poultry	: Coarse Grains	: Oilmeal	: Beef	: Pork
US	1.11	-.81	-.27		
CN	.87	-.54	-.25	-.12	-.25
C6	.80	-.43	-.38	-.22	-.23
C3	.81	-.44	-.37	-.22	-.23
WE	.68	-.33	-.31	-.22	-.23
JP	.83	-.50	-.36		-.22

Table XXXI. Commodity: Mutton Demand

Elasticity with Respect to Price of:

Region	Mutton	Beef	Pork	Poultry
C6	-.25	.15	.16	
C3	-.10	.10	.11	.11
WE	-.25	.15	.16	
JP	-.43	-.41	.21	.32
AZ	-.85	.44		
AR	-.42	.22		

Table XXXII. Commodity: Mutton Supply

Elasticity with Respect to Price of:

Region	Mutton	Beef	Milk	Coarse Grains
C6	.31	-.16	.16	-.16
C3	.31	-.16	.15	-.16
WE	.31	-.16	.16	-.16
AZ	.31			
AR	.21			

Table: XXXIII Commodity: Milk Demand

Elasticity with Respect to Price of:

Region	:	Milk
US		-.2
CN		-.2
C6		-.25
C3		-.16
WE		-.21
JP		-.79
AZ		-.20

Table XXXIV. Commodity: Milk Supply

Elasticity with Respect to Price of:

Region	Milk	Beef	Coarse Grains	Oilmeal
US	.68	-.17	-.60	-.40
CN	.36		-.57	-.27
C6	.40		-.57	-.39
C3	.37		-.22	-.12
WE	.32		-.37	-.12
JP	.90		-.28	-.32
AZ	.53		-.24	

Table XXXV. Commodity: Cheese Demand

Elasticity with Respect to Price of:

Region	:	Cheese
US		-.32
CN		-.57
C6		-.62
C3		-.64
WE		-.75
JP		-2.39
AZ		-.42

Table XXXVI. Commodity: Cheese Supply

Elasticity with Respect to Price of:

Region	:	Cheese	:	Butter
US		.86		-1.18
CN		.71		-.79
WE		.53		
AZ		1.71		-2.05

Table XXXVII. Commodity: Butter Demand

Elasticity with Respect to Price of:

Region	:	Butter
US		-1.59
CN		-1.01
C6		-.78
C3		-.61
WE		-.56
JP		-1.24
AZ		-.78

Price variables by region and commodity in the implied 1970 base (setting T=0 and solving the model) are offered here. Prices are in local currency (unless otherwise noted) and represent real 1970 price per metric ton for each commodity. The conversion factor implied for those prices not reported in local currency is a 1970 average foreign exchange rate.

REGION :	*	:
AND :	VARIABLE:	:
COMMODITY :	:	UNITS : CURRENCY **
:	:	:

United States

Beef	PDB	2301.52	US\$
	PSB	739.58	US\$
	PTB	1392.52	US\$
Pork	PDP	1814.20	US\$
	PSP	539.68	US\$
	PTP	1738.20	US\$
Poultry	PDZ	1049.07	US\$
	PSZ	730.07	US\$
Butter	FDLB	2264.04	US\$
	PSLB	139.01	US\$
Milk	FDLM	133.75	US\$
	PSL	135.39	US\$
Cheese	F DLC	1311.23	US\$
	PSLC	115.29	US\$
	PTLC	1602.46	US\$
Wheat	FDW	74.96	US\$
	PTW	76.69	US\$
C. Grain	PDC	66.40	US\$
	PTC	70.72	US\$
Rice	PDR	540.23	US\$
	PTR	202.16	US\$
Oilmeal	PDK	106.22	US\$
	PTK	119.37	US\$
Soybeans	PTS	135.97	US\$

Beef	FDB	747.28	CAN
	PSB	747.28	CAN
	PTB	747.28	CAN
Pork	FDP	796.52	CAN
	PSP	796.52	CAN
	PTP	796.52	CAN
Poultry	PDZ	512.24	CAN
	PSZ	512.24	CAN
Butter	FDLB	1762.93	CAN
	PSLB	117.12	CAN
	PTLB	1364.93	CAN
Milk	FDLM	142.27	CAN
	PSL	127.90	CAN
Cheese	FDLC	1242.12	CAN
	PSLC	112.79	CAN
	FTLC	1441.40	CAN
Wheat	FDW	81.29	CAN
	PSW	67.48	US\$
	PTW	81.29	CAN
C. Grains	PDC	66.60	CAN
	PSC	59.90	US\$
	PTC	66.63	US\$
Rice	PDR	258.23	CAN
	PTR	258.23	CAN
Oilmeal	FDK	139.70	CAN
	PSK	122.37	CAN
	FTK	139.70	CAN

Beef	PDB	1306.83	UA
	PSB	815.68	UA
	PTB	862.28	UA
Pork	PDP	970.10	UA
	PSP	823.68	UA
	PTP	694.87	UA
Poultry	PDZ	769.76	UA
	PSZ	539.53	UA
Mutton	PDV	1000.60	UA
	PSV	1000.60	UA
	PTV	721.84	UA
Butter	PDLB	1860.58	UA
Milk	FDLM	108.00	UA
	PSL	108.00	UA
Cheese	FDLC	1483.50	UA
Wheat	PDW	102.74	UA
	PSW	99.44	UA
	PTW	83.16	UA
C. Grains	PDC	96.09	UA
	PSC	79.67	UA
	PTC	75.45	UA
Rice	PDR	277.33	UA
	PSR	123.17	UA
	PTR	179.73	UA
Oilmeal	FDK	123.04	UA
	FTK	123.04	UA

Beef	PDB	896.83	UA
	PSB	896.83	UA
Pork	PDP	923.10	UA
	PSP	923.10	UA
Poultry	PDZ	627.95	UA
	PSZ	627.95	UA
Mutton	PDV	726.61	UA
	PSV	726.61	UA
Butter	PDLB	983.58	UA
Milk	PDLM	103.00	UA
	PSL	100.00	UA
Cheese	PDLC	839.50	UA
Wheat	PDW	74.89	UA
	PSW	78.25	UA
C. Grains	PDC	65.41	UA
	PSC	73.12	UA
Rice	PDR	109.33	UA
	PDK	128.04	UA
Oilmeal	PSK	128.04	UA

Other Western Europe

Beef	FDE	1306.83	UA	50
	PSB	815.68	UA	
Pork	FDP	970.10	UA	
	PSP	823.68	UA	
Poultry	PDZ	757.62	UA	
	PSZ	531.03	UA	
Mutton	PDV	1000.61	UA	
	PSV	1000.61	UA	
Butter	FDLB	1922.93	DE	
	FTLB	1922.93	DE	
Milk	FOLM	219.02	DE	
	PSL	126.46	DE	
Cheese	FDLC	1706.46	DE	
	PSLC	1706.46	DE	
	FTLC	1765.46	DE	
Wheat	PDW	106.58	DE	
	PSW	100.15	DE	
C. Grains	FDC	83.19	DE	
	PSC	95.76	DE	
Rice	PDR	187.23	DE	
	PSR	128.23	DE	
	FTR	187.23	DE	
Oilmeal	FDK	128.04	DE	
	PSK	128.04	DE	

1

Japan

Beef	PDB	1401.89	YTH
	PSB	434.73	YTH
	PTB	1010.81	US\$
Pork	PDP	957.46	YTH
	PSP	282.57	YTH
	PTP	1322.09	US\$
Poultry	PDZ	795.15	YTH
	PSZ	216.61	YTH
Mutton	PDV	160.95	YTH
	PTV	449.84	US\$
Butter	PDLB	886.12	YTH
	PTLB	1325.93	US\$
Milk	PDLM	140.61	YTH
	PSL	57.30	YTH
Cheese	PDLC	685.26	YTH
	PTLC	819.46	&S\$
Wheat	PDW	43.00	YTH
	PSW	65.02	YTH
	PTW	83.73	US\$
C. Grains	PDC	30.01	YTH
	PSC	70.91	YTH
	PTC	82.80	US\$
Rice	PDR	321.29	YTH
	PSR	337.98	YTH
Oilmeal	PDK	59.52	YTH
	PSK	59.52	YTH
	PTK	166.46	US\$
Soybeans	PDS	47.62	YTH
	PSS	47.62	YTH

Beef	PDB	656.51	AD
	PSB	656.51	AD
	PTB	1142.52	US\$
Pork	PDP	633.03	AD
	PSP	633.03	AD
Mutton	PDV	389.42	AD
	PSV	389.42	AD
	PTV	434.14	US\$
Butter	PDLB	1645.23	AD
	PSLB	70.16	AD
	FTLB	1335.93	US\$
Milk	PDLM	97.59	AD
	PSL	62.26	AD
Cheese	PDLC	849.78	AD
	PSLC	61.04	AD
	FTLC	824.46	US\$
Wheat	PDW	64.29	AD
	PSW	62.58	AD
	PTW	73.12	US\$
C. Grains	PDC	45.79	AD
	PSC	45.79	AD
	PTC	54.00	US\$
Rice	PDR	170.63	AD
	PSR	57.79	AD
	PTR	190.22	US\$
Oilmeal	PDK	150.00	AD
	PSK	150.00	AD
	FTX	133.07	US\$

South Africa

53

Wheat	PDW	122.97	DE
	PSW	113.48	DE
	PTW	79.79	DE
C. Grains	PDC	72.06	DE
	PSC	65.68	DE
	PTC	71.84	DE
Rice	PTR	208.23	DE
Oilmeal	PTK	111.07	DE

Middle America

Beef	FDB	812.28	DE
	PSB	812.28	DE
	PTB	812.28	DE
Pork	PDP	1060.52	DE
	PSP	1060.52	DE
	PTP	1060.52	DE
Wheat	PDW	135.76	DE
	PSW	91.07	DE
	PTW	85.98	DE
C. Grains	PDC	101.42	DE
	PSC	78.14	DE
	PTC	90.23	DE
Rice	PDR	253.23	DE
	PSR	325.23	DE
	PTR	253.23	DE
Oilmeal	PDK	165.18	DE
	PSK	165.18	DE
	PTK	165.18	DE

Argentina

Beef	FDB	2567.88	NP
	PSB	1181.44	NP
	PTB	1203.52	US\$
Pork	PDP	1513.47	NP
	PSP	1513.47	NP
Mutton	PDV	1786.39	NP
	PSV	1786.39	NP
	PTV	476.37	US\$
Wheat	FDW	245.53	NP
	PSW	245.53	NP
	PTW	76.63	US\$
C. Grains	PDC	280.15	NP
	PSC	280.15	NP
	PTC	75.14	US\$
Rice	PDR	465.60	NP
	PSR	343.60	NP
	PTR	124.16	US\$
Oilmeal	PDK	322.00	NP
	PSK	322.00	NP
	PTK	85.87	US\$

Brazil

55

Beef	PDB	694.28	DE
	PSB	694.28	DE
	PTB	694.28	DE
Pork	PDP	758.48	DE
	PSP	758.48	DE
Wheat	PDW	115.89	DE
	PSW	118.05	DE
	PTW	90.72	DE
C. Grains	PDC	65.24	DE
	PSC	50.57	DE
	PTC	72.58	DE
Rice	PDR	229.23	DE
	PSR	115.23	DE
	PTR	136.23	DE
Oilmeal	PDK	104.77	DE
	PSK	89.23	DE
	PTK	104.77	DE

Venezuela

Wheat	PDW	81.60	DE
C. Grains	PDC	76.64	DE
	PSC	86.73	DE
	PTC	80.55	DE
Rice	PDR	198.92	DE
	PSR	164.76	DE
	PTR	147.23	DE

Other South America

Wheat	PDW	89.47	DE
	PSW	117.87	DE
	PTW	88.29	DE
C. Grains	PDC	71.57	DE
	PSC	80.79	DE
	PTC	73.93	DE
Rice	PDR	267.23	DE
	PSR	205.66	DE
	PTR	267.23	DE
Oilmeal	FDK	116.68	DE
	PSK	116.68	DE
	FTK	116.68	DE

High Income North Africa and Middle East

57

Wheat	PDW	120.74	DE
	PSW	109.61	DE
	PTW	87.59	DE
C. Grains	PDC	98.74	DE
	PSC	85.64	DE
	PTC	77.92	DE
Rice	PDR	239.23	DE
	PSR	112.62	DE
	PTR	239.23	DE
Oilmeal	PDK	129.37	DE
	PTK	129.37	DE

Low Income North Africa and Middle East

Wheat	PDW	82.13	DE
	PSW	96.09	DE
	PTW	80.86	DE
C. Grains	PDC	76.79	DE
	PSC	78.25	DE
	PTC	74.19	DE
Rice	PDR	150.23	DE
	PTR	156.23	DE

East Africa

Wheat	PDW	103.05	DE
	PSW	88.81	DE
	PTW	104.89	DE
C. Grains	PDC	65.39	DE
	PSC	60.30	DE
	PTC	67.19	DE
Rice	PDR	83.64	DE
	PSR	83.64	DE
	PTR	223.23	DE

Rice	FDR	150.23	DE
	PSR	80.62	DE
	PTR	147.23	DE
	PTK	111.57	DE

58

India

Wheat	PDW	92.52	DE
	PSW	113.97	DE
	PTW	91.93	DE
C. Grains	PDC	70.79	DE
	PSC	70.79	DE
	PTC	83.16	DE
Rice	PDR	105.09	DE
	PSR	93.74	DE
	PTR	185.68	DE
Oilmeal	PDK	105.41	DE
	PSK	105.41	DE
	PTK	105.41	DE

Other South Asia

Wheat	PDW	119.57	DE
	PSW	108.09	DE
	PTW	91.93	DE
C. Grains	PDC	101.94	DE
	PSC	101.94	DE
	PTC	83.16	DE
Rice	PDR	138.09	DE
	PSR	98.09	DE
	PTR	145.23	DE

Wheat	PDW	92.30	DE
	PTW	92.30	DE
C. Grains	PDC	69.87	DE
	PSC	69.87	DE
	PTC	72.75	DE
Rice	PDR	105.68	DE
	PSR	100.18	DE
	PTR	178.23	DE

Other Southeast Asia

Wheat	PTW	88.29	DE
Rice	PDR	126.23	DE
	PSR	57.62	DE
	PTR	129.23	DE

Indonesia

Wheat	PDW	107.82	DE
	PTW	107.82	DE
C. Grains	PDC	74.36	DE
	PSC	86.34	DE
	PTC	72.76	DE
Rice	PDR	186.23	DE
	PSR	186.23	DE
	PTR	190.78	DE
Oilmeal	PDK	76.72	DE
	PSK	76.72	DE
	PTK	76.72	DE

High-Income East Asia

60

Wheat	PDW	107.45	DE
	PSW	202.85	DE
	PTW	85.58	DE
C. Grains	PDC	84.21	DE
	PSC	199.50	DE
	PTC	81.84	DE
Rice	PDR	227.62	DE
	PSR	188.66	DE
	PTR	179.23	DE
Oilmeal	PDK	129.58	DE
	PSK	129.58	DE
	PTK	129.58	DE

Low-Income East Asia

Wheat	FTW	81.64	DE
C. Grains	PDC	75.12	DE
	PSC	78.31	DE
	PTC	76.10	DE
Rice	PSR	90.23	DE
	PTR	144.23	DE

NOTES:* Price variable code: See appendix I for interpretation of code.** Currency: US\$ is US dollars; CAN is Canadian dollars; UA is the EC unit of account; DE is dollar equivalent; AD is Australian dollars; YTH is thousands of Japanese yen; NP is Argentine new Pesos.

DECI AND NEAL PRICES

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
					DOLLAR EQUIV
UNITED STATES	US DOLLAR	2301.52	739.28	0.0	1392.52
CANADA	CANADIAN DOLLAR	747.20	747.20	0.0	747.20
EURO AREA	EC UNIT OF ACCT	1306.83	815.68	235.54	862.28
EURO AREA	EC UNIT OF ACCT	896.83	896.83	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1306.83	815.68	0.0	0.0
JAPAN	THOUSAND YEN	1401.89	434.73	0.0	1010.81
AUST-N ZEALAND	AUST DOLLAR	656.51	656.51	0.0	1142.52
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SUVEI UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
MIDDLE AMERICA	DOLLAR EQUIV	812.20	812.20	0.0	812.20
BRAZIL	DOLLAR EQUIV	694.28	694.28	0.0	694.28
ARGENTINA	ARGENTINE PESOS	2567.88	1101.44	0.0	1201.52
WEST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$1,289/ 3-YEAR AVERAGE 1969-71/ CHICAGO/ FROZEN BEEF, IMPORTED, 90 PERCENT LEAN.
 EURO AREA: 3843/ 3-YEAR AVERAGE 1969-71/ EQUIVALENT TO SUPPLY PRICE, LIVERPOOL, WHOLESALE PRICE FOR
 31065/ HULLUCKS, AND HEIFERS (ROUGHLY COMPARABLE TO U.S. GROUND).
 AUST & N-ZEALAND: 31039/ 3-YEAR AVERAGE 1969-71/ EXPORT UNIT VALUE TO U.S., BONELESS, CHILLED, OR FROZEN.
 ARGENTINA: 3285.80/ 3-YEAR AVERAGE 1969-71/ EQUIVALENT TO DEMAND PRICE, BUEENOS AIRES, STEERS, LIVEWEIGHT,
 JUNTA NACIONAL DE CARNES. THE PROJECTED TRADE PRICE FOR 1985 IS FOR BONELESS FROZEN, COMPARABLE
 TO AUST-N ZEALAND PRICE WITH TAX DIFFERENTIAL. 1969-1971 WERE TRANSITION YEARS FOR ARGENTINA.

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		-- REGIONAL CURRENCY --			DOLLAR EQUIV
UNITED STATES	US DOLLAR	1814.20	539.68	0.0	1738.20
CANADA	CANADIAN DOLLAR	796.52	796.52	0.0	796.52
EURO SIX	EC UNIT OF ACCT	970.10	823.68	275.23	694.87
EURO THREE	EC UNIT OF ACCT	923.10	923.10	0.0	0.0
OTHER - EUROPE	DOLLAR EQUIV	970.10	823.68	0.0	0.0
JAPAN	THOUSAND YEN	957.46	282.57	0.0	1322.09
AUST-M ZEALAND	AUST DOLLAR	633.03	633.03	0.0	0.0
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDIA	DOLLAR EQUIV	1060.52	1060.52	0.0	1060.52
BRAZIL	DOLLAR EQUIV	758.48	758.48	0.0	0.0
ARGENTINA	ARGENTINE PESOS	1513.47	1513.47	0.0	0.0
LIST OF MEXLU	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: \$1,500 3-YEAR AVERAGE 1969-71 UNIT VALUE, HAMS, SHOULDER, CANNED, IMPORTED, AVERAGE U.S.
 EURO SIX: \$500 3-YEAR AVERAGE 1969-71 EQUIVALENT TO DEMAND PRICE MINUS VARIABLE LEVY, WEST GERMANY, PURCHASE PRICE OF SLAUGHTER HALVES (PORK SIDES, CAVCASS).
 EURO THREE: \$036 3-YEAR AVERAGE 1969-71 EQUIVALENT TO DEMAND PRICE, LONDON (SMITHFIELD), IMPORTED DANISH BACON.

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	REGIONAL CURRENCY	VARIABLE LEVY	TRADE PRICE
				---	---	DOLLAR EQUIV
UNITED STATES	US DOLLAR	1049.07	730.07		0.0	0.0
CANADA	CANADIAN DOLLAR	512.24	512.24		0.0	0.0
EURO SIX	EC UNIT OF ACCT	769.76	539.53		0.0	0.0
EURO THREE	EC UNIT OF ACCT	627.95	627.95		0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	757.62	531.03		0.0	0.0
JAPAN	1000 SAH YEN	795.15	216.61		0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	0.0	0.0		0.0	0.0

SELECTED SUPPLY PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WOULD FOOD IN 1985 VOL 3.

UNITED STATES: 3633 3-YEAR AVERAGE 1969-71; COMPOSITE OF GRADE A BROILERS AND FROZEN READY-TO-COOK TURKEYS.
 EURO SIX: UA 490 3-YEAR AVERAGE 1969-71; BELGIUM-DEYNZE MARKET, CHICKENS FOR ROASTING, LIVE-WEIGHT.
 EURO THREE: UA 500 3-YEAR AVERAGE 1969-71; BIRMINGHAM, BRISTOL, LONDON AND MANCHESTER MARKET AVERAGE, BROILERS, GOOD QUALITY, WHOLESALE SLAUGHTER.

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			DOLLAR EQUIV
UNITED STATES	US DOLLAR	0.0	0.0	0.0	0.0
EURO SIX	EC UNIT OF ACCT	1000.61	1000.61	0.0	721.84
EURO THREE	EC UNIT OF ACCT	726.61	726.61	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1000.61	1000.61	0.0	0.0
JAPAN	THOUSAND YEN	160.95	0.0	0.0	449.84
AUST-N ZEALAND	AUST DOLLAR	369.42	369.42	0.0	436.14
ARGENTINA	ARGENTINE PESOS	1786.39	1786.39	0.0	476.37
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	0.0

SELECTED PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

EURO THREE SUPPLY: UA 698 3-YEAR AVERAGE 1969-71; LONDON (SMITHFIELD), NEW ZEALAND, FROZEN CARCASS, WHOLESALE.
 JAPAN TRADE: 34201 3-YEAR AVERAGE 1969-71; UNIT VALUES OF IMPORTS.
 AUST & N.ZEALAND: 3410.30; 3-YEAR AVERAGE 1969-71; EQUIVALENT TO SUPPLY PRICE, SYDNEY (HOMEBUSH), LAMB,
 24-36 LB., FIRST AND SECOND EXPORT QUALITY, DRESSED WEIGHT BASIS.

1970 ALT1 PHOI BASE RUN

SEPT 19, 1979

WHEAT PRICES

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		-- REGIONAL CURRENCY --			DOLLAR EQUIV
UNITED STATES	US DOLLAR	74.46	0.0	0.0	74.49
CANADA	CANADIAN DOLLAR	81.29	67.68	0.0	81.29
EURO AREA	EC UNIT OF ACCT	102.74	99.44	41.41	83.16
EURO AREA	EC UNIT OF ACCT	74.89	78.25	0.0	0.0
OTHER N EUROPE	DOLLAR EQUIV	106.58	100.15	0.0	0.0
SOUTH AFRICA	DOLLAR EQUIV	122.97	113.48	0.0	79.79
JAPAN	THOUSAND YEN	43.00	65.02	0.0	83.73
AUS/NZ	AUST DOLLAR	64.29	62.58	0.0	73.12
EAST EUROPE	DOLLAR EQUIV	6.0	0.0	0.0	0.0
SUVEI UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	107.82	0.0	0.0	107.82
EAST ASIA HIGH	DOLLAR EQUIV	107.45	202.85	0.0	85.58
EAST ASIA LOW	DOLLAR EQUIV	0.0	0.0	0.0	81.64
THAILAND	DOLLAR EQUIV	42.30	0.0	0.0	92.30
UPPER SE ASIA	DOLLAR EQUIV	0.0	0.0	0.0	84.24
INDIA	DOLLAR EQUIV	92.52	113.97	0.0	91.93
OTHER S. ASIA	DOLLAR EQUIV	119.57	104.04	0.0	91.93
N. AF. M. EST HIGH	DOLLAR EQUIV	120.74	109.61	0.0	87.59
N. AF. M. EST LOW	DOLLAR EQUIV	82.13	96.09	0.0	80.76
CENTRAL AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
EAST AFRICA	DOLLAR EQUIV	103.05	88.81	0.0	104.89
MIDDLE AMERICA	DOLLAR EQUIV	135.76	91.07	0.0	85.98
VENEZUELA	DOLLAR EQUIV	81.60	0.0	0.0	0.0
BRAZIL	DOLLAR EQUIV	115.89	116.05	0.0	90.72
ARGENTINA	ARGENTINE PESOS	245.53	245.53	0.0	74.63
OTHER S AMERICA	DOLLAR EQUIV	89.47	117.87	0.0	80.29

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WHEAT FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: 350.731 3-YEAR AVERAGE 1969-70, 71-72; U.S. GULF PORTS, NO. 2 HARD RED WINTER, ORDINARY PROTEIN.
 CANADA: 345.331 3-YEAR AVERAGE 1969-70, 71-72; CANADIAN WHEAT HARVEST QUOTA, NO. 1-2.
 EURO AREA: 345.201 3-YEAR AVERAGE 1969-70, 71-72; C.I.F. ROTTERDAM, ALL CLASSES WHEAT.
 JAPAN: 345.771 3-YEAR AVERAGE 1969-70, 71-72; C.I.F. YOKOHAMA, U.S. WESTERN WHITE.
 AUS/NZ: 355.161 3-YEAR AVERAGE 1969-70, 71-72; F.A.O. AUSTRALIAN WHEAT BOARD.

COARBE GRAINS PRICES

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
-- -- REGIONAL CURRENCY -- --					
UNITED STATES	US DOLLAR	66.40	6.0	0.0	70.72
CANADA	CANADIAN DOLLAR	66.63	59.99	0.0	66.63
EURO AREA	EC UNIT OF ACCT	96.09	79.67	26.27	75.45
EURO AREA	EC UNIT OF ACCT	65.41	73.12	0.0	0.0
OTHER W. EUROPE	DOLLAR EQUIV	83.19	95.76	0.0	0.0
SOUTH AFRICA	DOLLAR EQUIV	72.06	65.68	0.0	71.84
JAPAN	THOUSAND YEN	30.01	70.91	0.0	82.80
AUSTRIA, ZEALAND	AUST DOLLAR	45.79	45.79	0.0	54.00
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SOVIET UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	74.36	86.34	0.0	72.76
EAST ASIA HIGH	DOLLAR EQUIV	84.21	199.50	0.0	81.84
EAST ASIA LOW	DOLLAR EQUIV	75.12	76.31	0.0	76.10
THAILAND	DOLLAR EQUIV	69.87	69.58	0.0	72.75
OTHER SE ASIA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDIA	DOLLAR EQUIV	70.79	76.79	0.0	83.16
OTHER S. ASIA	DOLLAR EQUIV	101.94	101.94	0.0	83.16
N.A.F.-M.EST HIGH	DOLLAR EQUIV	98.74	85.64	0.0	77.92
N.A.F.-M.EST LOW	DOLLAR EQUIV	76.79	76.25	0.0	74.19
CENTRAL AMERICA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
EAST AFRICA	DOLLAR EQUIV	65.39	60.30	0.0	67.19
MIDDLE AFRICA	DOLLAR EQUIV	101.42	78.14	0.0	90.23
VENEZUELA	DOLLAR EQUIV	70.64	86.73	0.0	80.55
BRAZIL	DOLLAR EQUIV	65.24	50.57	0.0	72.50
ARGENTINA	ARGENTINE PESOS	280.15	280.15	0.0	75.14
OTHER S. AMERICA	DOLLAR EQUIV	71.57	80.79	0.0	73.93

SELECTED TRADL PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS ON EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: 157.00 3-YEAR AVERAGE 1969-71, 71-72; U.S. GULF PORTS, NO. 2 YELLOW CORN.
 EURO AREA: 261.81 3-YEAR AVERAGE 1969-71, 71-72; C.I.F. ROTTERDAM, NO. 2 YELLOW CORN.
 JAPAN: 164.10 3-YEAR AVERAGE 1969-71, 71-72; C.I.F. YOKOHAMA, NO. 2 YELLOW CORN.

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	REGIONAL CURRENCY	VARIABLE LEVY	TRADE PRICE
				- - -		DOLLAR EQUIV
UNITED STATES	US DOLLAR	106.22	0.0		0.0	119.37-
CANADA	CANADIAN DOLLAR	139.70	122.37		0.0	139.70-
EURO SIX	EC UNIT OF ACCT	123.04	0.0		0.0	123.04-
OTHER EUROPE	EC UNIT OF ACCT	128.04	128.04		0.0	0.0
SOUTH AMERICA	DOLLAR EQUIV	128.04	128.04		0.0	0.0
JAPAN	DOLLAR EQUIV	0.0	0.0		0.0	111.07-
AUST-NEW ZEALAND	THOUSAND YEN	59.52	59.52		0.0	164.46-
EAST EUROPE	AUST DOLLAR	150.00	150.00		0.0	133.07-
SUVEET UNION	DOLLAR EQUIV	0.0	0.0		0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0		0.0	0.0
INDONESIA	DOLLAR EQUIV	76.72	76.72		0.0	76.72-
EAST ASIA HIGH	DOLLAR EQUIV	129.58	129.58		0.0	129.58-
EAST ASIA LOW	DOLLAR EQUIV	0.0	0.0		0.0	76.72-
INDIA	DOLLAR EQUIV	105.41	105.41		0.0	105.41-
N. J. - M. EST HIGH	DOLLAR EQUIV	129.37	0.0		0.0	129.37-
CENTRAL AFRICA	DOLLAR EQUIV	0.0	0.0		0.0	111.57-
MIDDLE AMERICA	DOLLAR EQUIV	165.16	165.16		0.0	165.16-
BRAZIL	DOLLAR EQUIV	104.77	89.23		0.0	104.77-
ARGENTINA	DOLLAR EQUIV	322.00	322.00		0.0	85.87-
OTHER S AMERICA	DOLLAR EQUIV	116.68	116.68		0.0	116.68-

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS ON EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES: 198.301 3-YEAR AVERAGE 1969-71; EQUIVALENT TO DEMAND PRICE, DECATUM, SOYBEAN MEAL, 44 PERCENT PROTEIN, PLUS FOR EXPORT MARGIN.
 EURO SIX: 3101.971 3-YEAR AVERAGE 1969-71; CIF EUROPEAN PORTS, U.S. BULK, 44 PERCENT PROTEIN.
 JAPAN: 3145.391 3-YEAR AVERAGE 1969-71; WHOLESALE SOYBEAN PRICE PAID BY EIGHT MANUFACTURERS.

RICE PRICES

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		-- REGIONAL CURRENCY --			DOLLAR EQUIV
UNITED STATES	US DOLLAR	540.23	0.0	0.0	202.16
CANADA	CANADIAN DOLLAR	258.23	0.0	0.0	258.23
EURO SIX	EC UNIT OF ACCT	277.33	123.17	94.96	179.73
EURO THREE	EC UNIT OF ACCT	109.33	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	187.23	128.23	0.0	187.23
SOUTH AFRICA	DOLLAR EQUIV	0.0	0.0	0.0	208.23
JAPAN	THOUSAND YEN	321.29	337.98	0.0	0.0
AUST-N ZEALAND	ANST DOLLAR	170.63	57.79	0.0	190.22
EAST EUROPE	DOLLAR EQUIV	0.0	0.0	0.0	0.0
SUVEIT UNION	DOLLAR EQUIV	0.0	0.0	0.0	0.0
CHINA	DOLLAR EQUIV	0.0	0.0	0.0	0.0
INDONESIA	DOLLAR EQUIV	186.23	186.23	0.0	190.76
EAST ASIA HIGH	DOLLAR EQUIV	227.62	188.66	0.0	179.23
EAST ASIA LOW	DOLLAR EQUIV	0.0	40.23	0.0	144.23
THAILAND	DOLLAR EQUIV	105.68	100.18	0.0	178.23
OTHER SE ASIA	DOLLAR EQUIV	126.23	57.62	0.0	129.23
INDIA	DOLLAR EQUIV	105.09	93.74	0.0	185.68
OTHER S. ASIA	DOLLAR EQUIV	138.99	92.99	0.0	145.23
N.A.F.-M.EST HIGH	DOLLAR EQUIV	239.23	112.62	0.0	239.23
N.A.F.-M.EST LOW	DOLLAR EQUIV	150.23	0.0	0.0	156.23
CENTRAL AFRICA	DOLLAR EQUIV	150.23	80.62	0.0	147.23
EAST AFRICA	DOLLAR EQUIV	253.23	83.64	0.0	223.23
MIDDLE AMERICA	DOLLAR EQUIV	198.92	325.23	0.0	253.23
VENEZUELA	DOLLAR EQUIV	279.23	164.76	0.0	147.23
BRAZIL	DOLLAR EQUIV	465.60	115.23	0.0	136.23
ARGENTINA	ARGENTINE PESOS	267.23	343.60	0.0	124.16
OTHER S AMERICA	DOLLAR EQUIV		205.66	9.9	267.23

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WHEAT FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

UNITED STATES 3-YEAR AVERAGE 1969-70, 71-72, F.O.B. MILLS, U.S. #2.
 EURO SIX 3-YEAR AVERAGE 1969-70, 71-72, C.I.F. NORTH SEA PORTS, LONG GRAIN MILLED.
 THAILAND 3-YEAR AVERAGE 1970-72, F.O.B. BANGKOK, 5% BROKEN POLISHED.

EGGS PRICES

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - - REGIONAL CURRENCY - - -			
		DOLLAR EQUIV			
UNITED STATES	US DOLLAR	0.0	0.0	0.0	0.0
CANADA	CANADIAN DOLLAR	0.0	0.0	0.0	0.0
EURO SIX	EC UNIT OF ACCT	0.0	0.0	0.0	0.0
EURO THREE	EC UNIT OF ACCT	0.0	0.0	0.0	0.0
JAPAN	THOUSAND YEN	0.0	0.0	0.0	0.0
AUSTIN ZEALAND	AUST DOLLAR	0.0	0.0	0.0	0.0

CHEESE PRICES

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		-- -- REGIONAL CURRENCY -- --			DOLLAR EQUIV
UNITED STATES	US DOLLAR	1311.23	115.29	0.0	1602.46
CANADA	CANADIAN DOLLAR	1249.23	112.79	0.0	1441.46
EURO AREA	EC UNIT OF ACCT	1483.50	0.0	0.0	0.0
EURO AREA	EC UNIT OF ACCT	839.50	0.0	0.0	0.0
OTHER W EUROPE	DOLLAR EQUIV	1706.46	1706.46	0.0	1706.46
JAPAN	THOUSAND YEN	665.26	0.0	0.0	619.46
AUST-N ZEALAND	AUST DOLLAR	849.78	61.04	0.0	824.46

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

OTHER WESTERN EUROPE 31,555 3-YEAR AVERAGE 1969-71) SWITZERLAND, WHOLESALE PRICE.

BUTTER PRICES

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
-- -- REGIONAL CURRENCY -- --					
UNITED STATES	US DOLLAR	2264.04	139.01	0.0	
CANADA	CANADIAN DOLLAR	1762.96	117.12	0.0	0.0
EURO SIX	EC UNIT OF ACCT	1060.50	0.0	0.0	1368.93
EURO THREE	EC UNIT OF ACCT	983.50	0.0	0.0	0.0
OTHER W. EUROPE	DOLLAR EQUIV	1922.93	0.0	0.0	0.0
JAPAN	THOUSAND YEN	806.12	0.0	0.0	1922.93
AUST-N. ZEALAND	AUST DOLLAR	1642.23	70.16	0.0	1325.93
REST OF WORLD	DOLLAR EQUIV	0.0	0.0	0.0	1335.93
				0.0	0.0

SELECTED TRADE PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR EQUIVALENT FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 IN VOL 3. PRICE DIFFERENCES BETWEEN REGIONS MAY REFLECT QUALITY DIFFERENCES AS WELL AS TRANSPORTATION AND MARKETING CONSIDERATIONS.

OTHER WESTERN EUROPE 31,703/ 3-YEAR AVERAGE 1969-71/ FINLAND, WHOLESALE PRICE.
AUST & N. ZEALAND 3698/ 3-YEAR AVERAGE 1969-71/ NEW ZEALAND, EXPORT UNIT VALUE.

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	REGIONAL CURRENCY	VARIABLE LEVY	TRADE PRICE
				- - -	- - -	DOLLAR EQUIV
UNITED STATES	US DOLLAR	133.75	0.0		0.0	0.0
CANADA	CANADIAN DOLLAR	142.27	0.0		0.0	0.0
EURO AREA	EC UNIT OF ACCT	106.00	0.0		0.0	0.0
EURO AREA	EC UNIT OF ACCT	103.00	0.0		0.0	0.0
OTHER W. EUROPE	DOLLAR EQUIV	219.02	0.0		0.0	0.0
JAPAN	THOUSAND YEN	140.61	0.0		0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	97.59	0.0		0.0	0.0

SELECTED DEMAND PRICES FOR THE BASE PERIOD ARE PRESENTED IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3.

UNITED STATES: 8133.75 3-YEAR AVERAGE 1969-71; AVERAGE PRICE FOR MILK ELIGIBLE FOR FLUID USE (GRADE A).
 EURO AREA: UA 103 3-YEAR AVERAGE 1968-69, 70-71; EC TARGET PRICE FOR 3.7 PERCENT BUTTERFAT, DELIVERED.
 AUST & N. ZEALAND: AUST. 897.59 3-YEAR AVERAGE 1969-71; UNIT WHOLESALE (GROSS) VALUE FOR FLUID MILK.

MILK PRODUCTS PRICES

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		- - -	- - -	- - -	DOLLAR EQUIV
UNITED STATES	US DOLLAR	0.0	135.39	0.0	0.0
CANADA	CANADIAN DOLLAR	0.0	127.80	0.0	0.0
EURO SIX	EC UNIT OF ACCT	0.0	108.00	0.0	0.0
EURO THREE	EC UNIT OF ACCT	0.0	100.00	0.0	0.0
OTHER W. EUROPE	DOLLAR EQUIV	0.0	126.86	0.0	0.0
JAPAN	THOUSAND YEN	0.0	57.30	0.0	0.0
AUST-N ZEALAND	AUST DOLLAR	0.0	62.26	0.0	0.0

SELECTED SUPPLY PRICES FOR THE BASE PERIOD ARE PRESENTED BELOW IN 1970 DOLLARS OR LOCAL CURRENCIES FOR COMPARATIVE PURPOSES. FULL DOCUMENTATION APPEARS IN THE SPECIFICATION OF THE BASE SHOWN IN ALTERNATIVE FUTURES FOR WORLD FOOD IN 1985 VOL 3.

UNITED STATES: 8122.571 3-YEAR AVERAGE 1969-71; WEIGHTED AVERAGE PRICE FOR MANUFACTURING GRADE AND GRADE A MILK ELIGIBLE FOR FLUID USE.
 EURO SIX: UA 1031 3-YEAR AVERAGE 1968-69, 70-71; EC TARGET PRICE FOR 3.7 PERCENT BUTTERFAT DELIVERED.
 AUST & N. ZEALAND: AUST. 8351 3-YEAR AVERAGE 1969-71; PRODUCER PRICE OF MILK EQUIVALENT PAID AT DAIRY.

GUYANA PHILES

REGION	CURRENCY	DEMAND PRICE	SUPPLY PRICE	VARIABLE LEVY	TRADE PRICE
		-- -- REGIONAL CURRENCY -- --			DOLLAR EQUIV
UNITED STATES	US DOLLAR	0.0	0.0	0.0	135.97
JAPAN	THOUSAND YEN	47.62	47.62	0.0	0.0

Table XL Implied Base Quantities by Region

Region/Item*		Units (1000 mt.)
United States		
USQURT		5832.4
USQDAP		4771.9
USQTHY		46.1
USQDP		5971.2
USQDZ		4184.5
USQDWH		14855.1
USQDCH		14284.5
USQDRH		1301.1
USQDWF		2513.1
USQDGF		146876.6
USQDCF		144354.5
USQDKF		13042.5
USHAT.		108197.0
USHAW.		29849.9
USHAC.		61648.0
USHAK.		14959.1
USHAR.		870.0
USQSH		60408.7
USQSC		217137.7
USQDLM		33566.0
USQDLB		328.0
USQDLC		1816.6
USQSK		17919.6
USQSR		3222.7
USQSB		9720.4
USQSP		5890.4
USQSZ		4348.9
USQSL.		33566.0
USQSLC		752.2
Canada		
CNQDB		920.9
CNQDP		563.1
CNQDZ		399.2
CNQDLM		3711.0
CNQDLB		125.1
CNQDLC		105.9
CNQDWH		2939.2
CNQDCH		2605.4
CNQDRH		58.0
CNQDWF		1354.9
CNQDCF		12365.9
CNQDKF		743.4
CNQSR		849.4
CNQSP		551.9
CNQSZ		400.1
CNQSLC		93.2
CNQSL.		7280.5
CNHAT.		24689.0
CNHAW.		12431.0

CNHAC.	9095.4
CNHAK.	3462.4
CNQSW	18681.8
CNQSC	16532.0
CNQSK	1500.2

EEC-3

C3QDB	1497.7
C3QDP	1776.8
C3QDZ	630.5
C3QDV	623.1
C3QDLM	12347.9
C3QDLB	525.9
C3QDLC	347.5
C3QDWH	6183.4
C3QDCH	6157.9
C3QDRH	159.8
C3QDGF	21138.5
C3QDWF	7039.4
C3QDCF	14099.1
C3QDKF	2835.6
C3QSB	1313.2
C3QSP	1798.3
C3QSZ	661.9
C3QSV	265.8
C3QSL.	20466.7
C3QSLC	298.0
C3HAT.	5357.8
C3HAW.	1113.9
C3HAC.	3943.9
C3QSW	3727.1
C3QSC	9034.9
C3QSK	546.1

EEC-6

C6QDB	4874.5
C6QDP	4770.7
C6QDZ	1835.2
C6QDV	234.2
C6QDLM	33566.0
C6QDLB	1142.0
C6QDLC	1805.1
C6QDWH	22192.2
C6QDCH	13235.4
C6QDRH	634.7
C6QDGF	38873.3
C6QDCF	31736.2
C6QDKF	9376.8
C6QSB	4340.9
C6QSP	4859.9
C6QSZ	1847.8
C6QSV	195.4

C6QSL.	68734.5
C6QSLC	1971.4
C6HAT.	20146.8
C6HAW.	8960.1
C6HAC.	10533.9
C6HAR.	181.8
C6QSW	19321.1
C6QSC	25416.0
C6QSR	260.2

Other Western Europe

WEQDB	1252.9
WEQDP	1420.1
WEQDZ	551.2
WEQDV	324.4
WEQDLM	12865.1
WEQDLB	234.6
WEQDLC	338.8
WEQDWH	8935.4
WEQDRH	575.8
WEQDCH	5720.1
WEQDWF	5201.0
WEQUCF	17828.9
WEQDKF	3228.7
WEQSB	1043.1
WEQSP	1454.7
WEQSZ	511.0
WEQSV	273.7
WEQSL.	21271.8
WEQSLC	463.5
WEHAT.	15016.2
WEHAW.	6123.9
WEHAC.	8331.7
WEHAR.	125.4
WEHAK.	550.8
WEQSW	8497.9
WEQSC	19299.7
WEQSK	934.0
WEQSR	415.6

Japan

JPQDB	296.3
JPQDP	659.1
JPQCZ	467.9
JPQDV	163.7
JPQDLM	3292.6
JPQDLB	34.5
JPQDLC	34.0
JPQDWH	4173.9
JPQDCH	2276.4
JPQDR	9567.8
JPQDCF	11404.5

JPQDUSH	1028.2
JPQDKF	935.5
JPQSH	243.3
JPQSP	559.2
JPQSZ	454.6
JPQSL.	4964.7
JPHAT.	3854.5
JPHAR.	3180.2
JPHAS.	155.1
JPQSW	485.5
JPQSC	83.3
JPQSR	9461.8
JPQSS.	127.9
JPQSK	992.1

Australia-New Zealand

AZQOB	629.0
AZQDP.	199.0
AZQOV	600.0
AZQOLM	3215.0
AZQDLB	136.8
AZQDLC	54.9
AZQDWH	2143.0
AZQDCH	931.1
AZQDRH	60.1
AZQOGF	3578.4
AZQUWF	998.1
AZQDK	145.4
AZQSB	1432.1
AZGSP.	203.7
AZGSV	1333.3
AZQSL.	15540.6
AZQSLC	133.6
AZHAT.	15743.9
AZHAN.	9583.5
AZHAC.	5908.8
AZHAK.	260.0
AZHAR.	37.5
AZQSW	10465.3
AZQSC	7263.4
AZQSK	76.2
AZQSR	-120.7

South Africa

SFGDWH	1312.0
SFGDRH	105.8
SFGUCH	3507.8
SFGUCF	2114.7
SFGDKF	395.2
SFHAT.	6394.8
SFHAN.	1675.9
SFHAC.	4678.3

SFQSW	1220.8
SFQSC	7675.1
SFQSK	700.0

Indonesia

DUCUWH	-535.0
DOCORH	12530.1
DUGDCH	1352.6
DCQDK	173.8
DOHAT.	12410.3
DOHAC.	2699.6
DOHAR.	8638.9
DOHAK.	1072.2
DOQSC	2135.2
DOQSR	12763.4
DOQSK	535.1

High-Income East Asia

EHCUWH	1321.0
EHCORH	7196.5
EHQUCH	1723.7
EHQUCF	4707.4
EHQDKF	743.1
EHHAT.	3692.4
EHHAW.	156.8
EHHAR.	2083.7
EHHAC.	974.6
EHHAK.	477.2
EHQSW	348.1
EHQSC	2042.0
EHQSR	6421.2
EHQSK	154.2

Low-Income East Asia

ELGUWH	909.1
ELGUCH	1139.4
ELGDRH	4954.4
ELGUCF	1483.4
ELHAT.	6606.6
ELHAC.	2486.9
ELHAR.	4119.7
ELQSC	2134.8
ELQSR	4939.1
ELQSK	209.8

Thailand

THQDC	214.8
THQDR	6502.3
THQDWH	71.4
THHAT.	8267.2
THHAC.	848.7
THHAR.	7523.6
THQSC	2211.0
THQSR	9986.2

Other Southeast Asia

OEQDWH	294.5
OEODRH	11758.0
OEQUCF	20.8
OEHAR.	7289.6
OEQSR	8803.7
OEQSC	313.8

India

NDCOW.	21365.8
NDCORH	42772.5
NDQDCH	23430.4
NDQDCF	1255.6
NDQDKF	2602.2
NDHAT.	113768.6
NDHAW.	15355.6
NDHAC.	44025.4
NDHAR.	38481.2
NDHAK.	15176.4
NDQSW	19093.9
NDQSC	26235.6
NDQSR	42998.7
NDQSK	3675.6

Other South Asia

OSCOW.	11427.8
OSCOR.	16088.7
OSQDC	4086.8
OSHAT.	21663.5
OSHAW.	9331.5
OSHAC.	3671.9
OSMAR.	13660.1
OSQSW	8546.9
OSQSC	2246.9
OSQSR	16043.2

High-Income North Africa and Middle East

NHQDW	8962.3
NHQDCH	3523.1
NHQOR	1587.9
NHQUCF	3871.2
NHQDKF	1228.2
NHHAT.	11649.9
NHHAW.	7611.0
NHHAC.	5056.8
NHHAR.	482.1
NHQSW	4654.1
NHQSC	3814.0
NHQSR	951.0

Low-Income North Africa and Middle East

NLQDWH	19690.1
NLQORH	1511.6
NLQDCH	7498.8

NLQDCF	6978.1
NLHAT.	22240.4
NLHAW.	12510.2
NLHAC.	12212.4
NLHAR.	765.2
NLQSW	13455.4
NLQSC	16016.7
NLQSR	2655.2

Venezuela

VNGDWH	672.7
VNGDRH	618.8
VNGDCH	736.2
VNGDCF	1030.5
VNHAT.	736.2
VNHAC.	611.0
VNHAR.	175.2
VNGSC	711.2
VNGSR	193.3

Brazil

BZQDB	1671.5
BZQDP	568.5
BZCOW.	5094.7
BZCORH	4944.7
BZQDCH	3420.1
BZQDCF	10522.2
BZQUKF	1191.0
BZQSB	1930.3
BZQSP	569.4
BZHAT.	20887.4
BZHAW.	1743.2
BZHAC.	12205.2
BZHAR.	5135.7
BZHAK.	6577.1
BZQSW	1681.9
BZQSC	17625.1
BZQSR	5103.4
BZQSK	6127.1

Argentina

ARGDB	1794.8
ARGDP	210.0
ARGDV	136.7
ARGDW	4112.5
ARGDCH	1282.6
ARGDRH	156.8
ARGDCF	5012.0
ARGDK	197.1
ARGSB	2632.1
ARGSP	215.8
ARGSV	184.9
ARHAT.	16520.4

ARHAW.	5741.7
ARMAC.	7879.7
ARHAK.	2794.0
ARMAR.	113.3
ARQSA	7679.8
ARQSC	15213.5
ARQSR	311.6
ARQSK	1287.5

Other South America

LAQDW	3774.5
LAQDRH	1316.6
LAQDCH	2231.4
LAQDCF	1052.9
LAQDKF	202.7
LAHAT.	5494.5
LAHAW.	1489.0
LAHAC.	2849.0
LAHAR.	493.0
LAHAK.	423.8
LAGSW	1875.4
LAGSC	3577.2
LAGSR	974.6
LAGSK	3772.0

East Africa

EFQDWH	556.7
EFQDCH	8180.3
EFQDRH	438.8
EFQDCF	1333.3
EFHAT.	6182.7
EFHAW.	229.4
EFHAC.	8949.7
EFHAR.	106.8
EFQSW	428.3
EFQSC	10567.0
EFQSR	101.8

Middle America

MCQDR	674.6
MCQDR	330.0
MCQDWH	2800.8
MCQDRH	846.9
MCQDCH	9846.5
MCQDCF	5201.7
MCQDWF	163.9
MCQDKF	1590.4
MCQSA	864.2
MCQSR	325.0
MCHAT.	13432.1
MCHAW.	817.1
MCHAC.	12024.3
MCHAR.	566.5
MCHAK.	531.0
MCQSA	2391.0
MCQSR	764.6
MCQSK	782.6
MCQSC	12061.3

*Description of the Item terms are contained in
Appendix II.

BEEF AND VEAL UTILIZATION

REGION	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
	1,000	PERCENT						
	1,000	PERCENT						
UNITED STATES	9720.4	39.9	0.0	10604.3	10604.3	930.0	46.1	0.0
CANADA	649.4	3.5	0.0	920.9	920.9	71.6	0.0	0.0
EURO AREA	4340.9	17.4	0.0	4874.5	4874.5	531.6	0.0	0.0
EURO AREA	1313.2	5.4	0.0	1497.7	1497.7	184.5	0.0	0.0
OTHER EUROPE	1043.1	4.3	0.0	1252.9	1252.9	209.9	0.0	0.0
JAPAN	243.1	1.0	0.0	246.3	246.3	52.9	0.0	0.0
AUSTRIA	1432.1	5.9	0.0	629.0	629.0	0.0	803.1	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	44.8	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	52.8	0.0
MIDDLE AMERICA	864.2	3.5	0.0	674.6	674.6	0.0	189.7	0.0
BRAZIL	1910.3	7.9	0.0	1671.5	1671.5	0.0	258.8	0.0
ARGENTINA	2032.1	10.8	0.0	1794.8	1794.8	0.0	837.3	0.0
WEST OF WORLD	0.0	0.0	0.0	0.0	0.0	254.0	0.0	0.0
DEV-ED REGION	18942.4	77.7	0.0	20075.7	20075.7	1982.5	849.2	0.0
CENTRAL PLAN NG	0.0	0.0	0.0	0.0	0.0	0.0	147.7	0.0
LESS DEV-ED NG	5426.6	22.3	0.0	4140.9	4140.9	254.0	1285.8	0.0
WORLD TOTAL	24369.0	100.0	0.0	24216.5	24216.5	2234.5	2262.6	0.0

NOTES: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FROM THE PROJECTED PERIOD, WORLD TRADE IMBALANCE RESULTS FROM UNITED STATES EXPORTS BEING PROJECTED OUTSIDE THE BALANCING SYSTEM FOR THE GULF MODEL.

SOURCES: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

PORK UTILIZATION

REGION	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
UNITED STATES	5890.4	35.9	0.0	5971.2	5971.2	80.9	0.0	0.0
CANADA	551.9	3.4	0.0	563.1	563.1	11.2	0.0	0.0
EURO SIX	4859.9	29.6	0.0	4770.7	4770.7	0.0	89.2	0.0
EURO THREE	1790.3	10.9	0.0	1776.0	1776.0	0.0	21.3	0.0
UNITED KINGDOM	1454.7	8.9	0.0	1420.1	1420.1	0.0	34.5	0.0
JAPAN	559.2	3.4	0.0	659.1	659.1	99.9	0.0	0.0
AUSTRIA	203.7	1.2	0.0	199.0	199.0	0.0	0.0	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	35.7	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	143.0	0.0
MIDDLE AMERICA	325.0	2.0	0.0	330.0	330.0	4.9	0.0	0.0
BRAZIL	569.4	3.5	0.0	568.5	568.5	0.0	0.0	0.0
ARGENTINA	215.6	1.3	0.0	210.0	210.0	0.0	0.0	0.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	147.0	0.0	0.0
DEV-ED REGION	15318.0	93.2	0.0	15360.1	15360.1	192.0	145.2	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	198.7	0.0
LESS DEV-ED RG	1110.3	6.8	0.0	1108.4	1108.4	151.9	0.0	0.0
WORLD TOTAL	16428.3	100.0	0.0	16468.5	16468.5	343.9	343.9	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.
 SOURCES: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION
 FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

POULTRY UTILIZATION

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
	1,000 METRIC TONS	PERCENT	----- 1,000 METRIC TONS -----					
UNITED STATES	4348.9	51.9	0.0	4184.5	4184.5	0.0	0.0	0.0
CANADA	400.1	4.8	0.0	399.2	399.2	0.0	0.0	0.0
EURO SIX	1647.6	22.1	0.0	1635.2	1635.2	0.0	12.4	0.0
EURO THREE	601.9	7.9	0.0	630.5	630.5	0.0	31.4	0.0
OTHER W. EUROPE	511.0	6.1	0.0	551.2	551.2	0.0	0.0	0.0
JAPAN	454.6	5.4	0.0	467.9	467.9	0.0	0.0	0.0
AUST-N ZEALAND	153.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	8377.1	100.0	0.0	8068.5	8068.5	0.0	44.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	8377.1	100.0	0.0	8068.5	8068.5	0.0	44.0	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TRADE IS RECAPITULATED ONLY BETWEEN EURO SIX AND EURO THREE FOR THE PROJECTED PERIOD; WORLD TOTAL REFLECTS THE IMBALANCE BETWEEN THESE TWO REGIONS.

SOURCES: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

LAMB AND MUTTON UTILIZATION

REGION	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
		PERCENT	----- 1,000 METRIC TONS -----					
UNITED STATES	0.0	0.0	0.0	0.0	0.0	54.0	0.0	0.0
EUROPE	195.4	0.7	0.0	234.2	234.2	30.0	0.0	0.0
EUROPE THREE	265.0	11.0	0.0	623.1	623.1	357.3	0.0	0.0
OTHER W EUROPE	273.7	12.1	0.0	324.4	324.4	50.0	0.0	0.0
JAPAN	0.0	0.0	0.0	163.7	163.7	163.7	0.0	0.0
AUSTRIA	133.3	59.2	0.0	600.0	600.0	733.4	0.0	0.0
ARGENTINA	184.9	8.2	0.0	136.7	136.7	0.0	48.2	0.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	117.0	0.0	0.0
DEV-ED REGION	2068.2	91.0	0.0	1945.8	1945.8	664.6	733.4	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	184.9	8.2	0.0	136.7	136.7	117.0	48.2	0.0
WORLD TOTAL	2253.1	100.0	0.0	2082.1	2082.1	781.6	781.6	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCES: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

FLUID MILK UTILIZATION

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
	1,000 METRIC TONS	PERCENT						
UNITED STATES	0.0	0.0	0.0	33566.0	33566.0	0.0	0.0	0.0
CANADA	0.0	0.0	0.0	3711.0	3711.0	0.0	0.0	0.0
EURO SIX	0.0	0.0	0.0	31143.7	31143.7	0.0	0.0	0.0
EURO THREE	0.0	0.0	0.0	12347.9	12347.9	0.0	0.0	0.0
OTHER EUROPE	0.0	0.0	0.0	12885.1	12885.1	0.0	0.0	0.0
JAPAN	0.0	0.0	0.0	3292.6	3292.6	0.0	0.0	0.0
AUST-N ZEALAND	0.0	0.0	0.0	3215.0	3215.0	0.0	0.0	0.0
DEV-ED REGION	0.0	0.0	0.0	100161.2	100161.2	0.0	0.0	0.0
CENTRAL PLAN NG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED NG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	0.0	0.0	0.0	100161.2	100161.2	0.0	0.0	0.0

SOURCES: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

BUTTER UTILIZATION

REGION	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
	1,000 METRIC TONS	PERCENT						
UNITED STATES	320.0	12.8	0.0	320.0	320.0	0.0	0.0	0.0
CANADA	106.6	4.2	0.0	125.1	125.1	14.5	0.0	0.0
EURO SIX	1020.3	40.1	0.0	1142.0	1142.0	113.7	0.0	0.0
EURO THREE	257.0	10.0	0.0	525.9	525.9	260.8	0.0	0.0
OTHER W EUROPE	224.3	8.7	0.0	234.6	234.6	10.3	0.0	0.0
JAPAN	62.2	2.4	0.0	34.5	34.5	0.0	27.8	0.0
AUSTIN ZEALAND	558.3	21.6	0.0	136.8	136.8	0.0	421.5	0.0
REST OF WORLD	0.0	0.0	0.0	0.0	0.0	39.9	0.0	0.0
DEV-ED REGION	2566.7	100.0	0.0	2526.8	2526.8	409.4	444.3	0.0
CENTRAL PLAN NG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED NG	0.0	0.0	0.0	0.0	0.0	39.9	0.0	0.0
WORLD TOTAL	2566.7	100.0	0.0	2526.8	2526.8	449.3	449.3	0.0

NOTES: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCES: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

SEPT 10, 1974

1970 ALT1 PH01 BASE RUN

CHEESE UTILIZATION

REGION	PRODUCTION	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
	1,000 METRIC TONS	PERCENT						
UNITED STATES	752.2	20.2	0.0	1016.4	1016.4	264.5	0.0	0.0
CANADA	93.2	2.5	0.0	105.9	105.9	12.7	0.0	0.0
EURO SIX	1971.4	53.0	0.0	1805.1	1805.1	0.0	166.4	0.0
EURO THREE	290.0	8.0	0.0	347.5	347.5	44.6	0.0	0.0
OTHER EUROPE	463.5	12.5	0.0	338.8	338.8	0.0	124.7	0.0
JAPAN	4.0	0.3	0.0	34.0	34.0	24.1	0.0	0.0
AUSTIN ZEALAND	133.0	3.6	0.0	54.9	54.9	0.0	76.8	0.0
DEV-ED REGION	3721.7	100.0	0.0	3702.7	3702.7	350.9	369.8	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	3721.7	100.0	0.0	3702.7	3702.7	350.9	369.8	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.
FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION
FOR ECONOMIC COOPERATION AND DEVELOPMENT; AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

MILK PRODUCTS UTILIZATION

REGION	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
		PERCENT						
UNITED STATES	47426.9	25.5	0.0	0.0	0.0	0.0	0.0	0.0
CANADA	7280.5	3.9	0.0	0.0	0.0	0.0	0.0	0.0
EURO SIX	68734.5	37.0	0.0	0.0	0.0	0.0	0.0	0.0
EURO THREE	20466.7	11.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER W EUROPE	21271.8	11.5	0.0	0.0	0.0	0.0	0.0	0.0
JAPAN	4964.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
AUSTIN ZEALAND	13540.6	8.4	0.0	0.0	0.0	0.0	0.0	0.0
DEV-ED REGION	185685.6	100.0	0.0	0.0	0.0	0.0	0.0	0.0
CENTRAL PLAN RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LEDS DEV-ED RG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	185685.6	100.0	0.0	0.0	0.0	0.0	0.0	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.
 SOURCES: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA; ORGANIZATION
 FOR ECONOMIC COOPERATION AND DEVELOPMENT, AND FOOD AND AGRICULTURE ORGANIZATION OF THE UNITED NATIONS.

TOTAL GRAIN UTILIZATION

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
				PERCENT				1,000 METRIC TONS		
UNITED STATES	92367.9	3.0	280769.1	30.1	146867.6	30440.7	177308.2	0.0	103460.0	0.0
CANADA	21526.8	1.6	35713.8	4.8	11011.0	5682.6	16613.6	58.0	16458.3	0.0
EUROPE	14675.8	2.3	45017.3	6.1	36873.3	36862.3	74935.6	29914.3	0.0	0.0
EUROPE - WEST	5057.8	2.5	12762.0	1.7	21138.5	12501.1	33639.6	20677.6	0.0	0.0
EUROPE - EAST	14581.0	1.9	28713.2	3.0	23029.9	15231.3	38261.2	10046.0	0.0	0.0
SOUTH AMERICA	6354.2	1.4	8895.9	1.2	2114.7	4925.6	7040.3	197.0	2052.8	0.0
JAPAN	3499.8	2.9	10310.6	1.4	11506.5	16018.1	27604.6	17468.0	0.0	0.0
AUSTRALIA	15529.7	1.1	17608.0	2.4	3578.4	3138.2	6712.6	180.8	11078.3	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14780.7	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15518.6	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	8432.0	949.3	0.0
INDONESIA	11338.5	1.3	14898.5	2.0	0.0	13347.7	13347.7	0.0	1550.9	0.0
EAST ASIA HIGH	3215.2	2.7	8811.3	1.2	4707.4	10241.2	14948.6	6137.3	0.0	0.0
EAST ASIA LOW	6606.6	1.1	7073.9	1.0	1863.8	7002.8	8866.1	1412.3	0.0	0.0
THAILAND	8372.3	1.5	12197.2	1.7	0.0	6788.6	6788.6	71.4	5809.0	0.0
OTHER SE ASIA	7289.6	1.3	9117.5	1.2	20.8	12137.5	12158.3	3248.8	0.0	0.0
INDIA	97462.2	0.9	88328.1	12.0	1255.6	87566.7	88820.4	2261.9	1774.7	0.0
OTHER S. ASIA	26463.5	1.0	26837.0	3.6	0.0	31603.2	31603.2	4766.2	0.0	0.0
N. AF. - WEST HIGH	13149.0	0.7	9119.1	1.3	3871.2	14075.3	17946.5	8525.4	0.0	0.0
N. AF. - WEST LOW	25487.0	1.3	32127.4	4.4	6978.1	28700.5	35678.6	4234.7	2483.5	0.0
CENTRAL AFRICA	0.0	0.0	6533.4	0.9	0.0	8996.2	8996.2	2464.7	0.0	0.0
EAST AFRICA	9286.4	1.2	11097.0	1.5	1333.3	9175.8	10509.0	465.4	1053.4	0.0
MIDDLE AFRICA	13407.8	1.2	16116.8	2.2	5165.6	13498.3	18659.8	2783.0	0.0	0.0
VENEZUELA	786.2	1.2	904.5	0.1	1030.5	2027.7	3058.2	2153.7	0.0	0.0
BRAZIL	19064.1	1.3	24410.4	3.3	1522.2	13459.5	23981.7	3412.8	3841.5	0.0
ARGENTINA	13730.7	1.7	23204.9	3.2	5012.0	5551.4	10563.9	0.0	12441.0	0.0
OTHER S. AMERICA	4830.9	1.3	6927.2	0.9	1052.9	7322.9	8375.7	2241.1	292.4	0.0
DEV-ED REGION	170591.9	2.5	438509.5	59.6	256199.7	123195.4	382115.5	78747.7	135247.9	0.0
CENTRAL PLAN NG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	40731.3	949.3	0.0
LESS DEV-ED NG	26115.4	1.1	297503.6	40.4	42432.8	271493.1	314125.7	46138.8	29424.7	0.0
WORLD TOTAL	439706.8	1.7	736012.5	100.0	300432.1	395408.5	696240.6	165617.5	163723.4	0.0

NOTE: TOTAL GRAIN IS A SUMMATION OF GRAIN CATEGORIES INCLUDED BY REGION IN THE GOL MODEL, NAMELY, COARSE GRAINS, WHEAT, AND RICE, WHICH EXPLICITLY MODELED. THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. TO EXPLAIN WORLD TRADE IMBALANCE IN THE PROJECTED PERIOD, SEE RICE UTILIZATION.

SOURCES: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVE SERVICE, USDA.

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
	1,000	METRIC TONS PER HECTARE	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS			
UNITED STATES	29849.9	2.0	60404.7	32.9	2513.1	14855.1	17368.2	0.0	43000.3	0.0
CANADA	12831.0	1.3	18681.0	10.2	3154.9	2939.2	1584.2	0.0	17007.6	0.0
EUROPE	8960.1	2.2	19321.1	10.5	7137.1	22192.2	29329.3	10006.3	0.0	0.0
EUROPE	1113.9	3.3	3727.1	2.0	7039.4	6143.4	13222.7	9495.6	0.0	0.0
OTHER EUROPE	6123.9	1.4	8497.9	4.6	5201.0	4935.4	14136.5	5038.5	0.0	0.0
SOUTH AFRICA	1675.9	0.7	1220.0	0.7	0.0	1312.0	1312.0	91.2	0.0	0.0
JAPAN	234.4	2.0	485.5	0.3	182.0	4173.9	4355.0	3870.4	0.0	0.0
AUSTRALIA	9583.5	1.1	10465.3	5.7	990.1	2143.0	3141.0	0.0	7324.8	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4705.2	0.0	0.0
SUVELE UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2824.8	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6288.4	0.0	0.0
INDONESIA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	535.0	0.0
EAST ASIA HIGH	156.8	2.2	344.1	0.2	0.0	2535.0	2535.0	472.9	0.0	0.0
EAST ASIA LOW	0.0	0.0	0.0	0.0	0.0	1321.0	1321.0	409.1	0.0	0.0
THAILAND	0.0	0.0	0.0	0.0	0.0	904.1	904.1	71.4	0.0	0.0
OTHER S. ASIA	0.0	0.0	0.0	0.0	0.0	71.4	71.4	244.5	0.0	0.0
INDIA	15355.6	1.2	19093.9	10.4	294.5	21365.8	21365.8	2201.9	0.0	0.0
OTHER S. ASIA	4331.5	0.9	8546.9	4.7	0.0	11427.8	11427.8	2880.9	0.0	0.0
N. AF. - WEST HIGH	7411.0	0.6	4654.1	2.5	0.0	4962.3	4962.3	4308.2	0.0	0.0
N. AF. - WEST LOW	12510.2	1.1	13455.4	7.3	0.0	19690.1	19690.1	4234.7	0.0	0.0
CENTRAL AFRICA	0.0	0.0	636.0	0.3	0.0	2654.0	2654.0	2020.0	0.0	0.0
EAST AFRICA	229.4	1.9	428.3	0.2	0.0	556.7	556.7	128.4	0.0	0.0
MIDDLE AFRICA	817.1	2.9	2391.0	1.3	163.9	2800.8	2964.7	571.7	0.0	0.0
VENEZUELA	0.0	0.0	0.0	0.0	0.0	672.7	672.7	0.0	0.0	0.0
BRAZIL	1743.2	1.0	1681.9	0.9	0.0	5094.7	5094.7	3412.0	0.0	0.0
ARGENTINA	5741.7	1.3	7679.8	4.2	0.0	4112.5	4112.5	0.0	3567.3	0.0
OTHER S. AMERICA	1809.0	1.3	1875.4	1.0	0.0	3774.5	3774.5	1849.1	0.0	0.0
DEV-ED REGION	69976.8	1.8	122408.1	66.9	21715.7	62734.1	84449.7	25103.9	67462.0	0.0
CENTRAL PLAN NO	0.0	0.0	0.0	0.0	0.0	0.0	0.0	15820.4	0.0	0.0
LESS DEV-ED NO	54985.8	1.1	60788.8	33.1	163.9	83172.8	83336.7	26040.4	4102.3	0.0
WORLD TOTAL	124961.9	1.5	183596.5	100.0	21079.5	145906.8	167786.1	71564.6	71564.6	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCE: FOREIGN AGRICULTURAL SERVICE AND ECONOMIC, STATISTICS, AND COOPERATIVES SERVICE, USDA.

SEPT 10, 1979

1970 ALT1 PM01 BASE RUN

COARSE GRAINS UTILIZATION

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
	1,000 HECTARES	METRIC TONS PER HECTARE	1,000 METRIC TONS	PERCENT	1,000 METRIC TONS					
UNITED STATES	61640.0	3.5	217137.7	51.3	144354.5	14244.5	158634.9	0.0	58494.7	0.0
CANADA	9045.4	1.8	16532.0	3.9	12365.9	2605.4	14971.3	0.0	1560.7	0.0
EUROPE	10531.9	2.4	25416.0	6.0	31736.2	13235.4	44971.5	19555.6	0.0	0.0
EUROPE	3943.9	2.3	9034.9	2.1	14049.1	6137.9	20257.0	11222.1	0.0	0.0
OTHER EUROPE	8331.7	2.3	19299.7	4.6	17626.9	5724.1	23544.9	4249.2	0.0	0.0
SOUTH AMERICA	4674.3	1.6	7675.1	1.8	2114.7	3507.6	5422.4	0.0	2052.6	0.0
JAPAN	5906.4	1.0	63.3	0.0	11404.5	2276.4	13680.9	13597.6	0.0	0.0
AUSTRALIA	5906.4	1.2	7263.4	1.7	2580.4	931.1	3511.5	0.0	1751.9	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	9490.6	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	12189.5	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2143.6	0.0	0.0
INDONESIA	2644.4	0.8	2135.2	0.5	0.0	1352.6	1352.6	0.0	782.4	0.0
EAST ASIA	974.6	2.1	2042.0	0.5	4707.4	1723.7	6431.0	4389.1	0.0	0.0
EAST ASIA	2406.9	0.9	2134.4	0.5	1463.4	1139.4	2622.7	449.9	0.0	0.0
INDONESIA	448.7	2.6	2211.0	0.5	214.0	214.0	214.0	0.0	1944.2	0.0
OTHER SE ASIA	0.0	0.0	313.8	0.1	20.0	85.0	104.4	0.0	0.0	0.0
INDIA	44025.4	0.6	26235.6	6.2	1255.6	23430.4	24686.0	0.0	1904.1	0.0
OTHER S. ASIA	3671.9	0.6	2246.9	0.5	0.0	4046.8	4046.8	1839.4	0.0	0.0
N. AF. - M. EAST MICH	5056.4	0.6	3414.0	0.9	3671.2	3523.1	7394.3	1580.3	0.0	0.0
N. AF. - M. WEST LUM	12212.4	1.3	16016.7	3.8	6974.1	7406.8	14076.9	0.0	1439.4	0.0
CENTRAL AMERICA	0.0	0.0	2925.0	0.7	0.0	2925.0	2925.0	0.0	0.0	0.0
EAST AFRICA	8949.7	1.2	10567.0	2.5	1333.3	8180.3	9513.5	0.0	1053.5	0.0
MIDDLE AMERICA	12024.3	1.1	12961.3	3.1	5201.7	9846.5	15048.2	2087.0	0.0	0.0
VENEZUELA	611.0	1.2	711.2	0.2	1010.5	716.2	1764.7	1055.5	0.0	0.0
BRASIL	12205.2	1.4	17425.1	4.2	10522.2	3420.1	13942.2	0.0	3420.1	0.0
ARGENTINA	7679.7	1.9	15213.5	3.6	5012.0	1242.6	6254.5	0.0	8914.9	0.0
OTHER S. AMERICA	2444.0	1.3	3577.2	0.8	1052.9	2231.8	3284.7	0.0	242.4	0.0
OLYMPIC REGION	104220.6	2.9	302441.9	71.5	236484.1	48718.5	285202.6	44624.6	45463.9	0.0
LESS DEVELOPED	0.0	0.0	0.0	0.0	0.0	0.0	0.0	23821.7	0.0	0.0
LESS DEVELOPED	116445.2	1.0	120730.0	28.5	42468.9	71676.8	114145.4	13439.6	20020.0	0.0
WORLD TOTAL	220715.6	1.9	423171.6	100.0	278952.6	120395.0	399347.9	85887.7	45463.9	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED.

SOURCES: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

RICE UTILIZATION

REGION	AREA HCTANES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
	1,000	METRIC TONS PER HECTARE	1,000 METRIC TONS	PERCENT			1,000 METRIC TONS			
UNITED STATES	870.0	3.7	3222.7	2.5	0.0	1301.1	1301.1	0.0	1921.6	0.0
CANADA	0.0	0.0	0.0	0.0	0.0	58.0	58.0	58.0	0.0	0.0
EUROPE	181.8	1.5	280.2	0.2	0.0	634.7	634.7	354.5	0.0	0.0
EUROPE	0.0	0.0	0.0	0.0	0.0	159.8	159.8	159.8	0.0	0.0
OTHER EUROPE	125.8	3.3	415.6	0.3	0.0	575.8	575.8	160.3	0.0	0.0
SOUTH AFRICA	0.0	0.0	0.0	0.0	0.0	105.6	105.6	105.6	0.0	0.0
JAPAN	3180.2	1.0	3180.2	7.1	0.0	9567.0	9567.0	0.0	0.0	0.0
AUST-N ZEALAND	37.5	0.2	75.0	0.0	0.0	60.1	60.1	180.8	0.0	0.0
EAST EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	564.4	0.0	0.0
SOVIET UNION	0.0	0.0	0.0	0.0	0.0	0.0	0.0	502.3	0.0	0.0
CHINA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
INDONESIA	8638.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
EAST ASIA HIGH	2063.7	1.1	2270.1	9.9	0.0	12530.1	12530.1	0.0	949.1	0.0
EAST ASIA LOW	4119.7	1.2	4943.6	5.0	0.0	7196.5	7196.5	775.3	231.1	0.0
INDONESIA	7523.6	1.3	9980.2	3.8	0.0	4954.4	4954.4	15.3	0.0	0.0
OTHER SE ASIA	7209.6	1.2	8803.7	7.7	0.0	6502.3	6502.3	0.0	3481.9	0.0
INDIA	38401.2	1.1	42298.7	6.8	0.0	11758.0	11758.0	2454.3	0.0	0.0
OTHER S. ASIA	13680.1	1.2	16413.2	33.3	0.0	42772.5	42772.5	0.0	0.0	0.0
N. AF. - M. EST HIGH	482.1	2.0	964.2	12.4	0.0	16088.7	16088.7	45.5	0.0	0.0
N. AF. - M. EST LOW	765.2	3.5	2685.2	0.7	0.0	1587.9	1587.9	636.9	0.0	0.0
CENTRAL AMERICA	0.0	0.0	0.0	2.1	0.0	1511.6	1511.6	0.0	0.0	0.0
SOUTH AMERICA	106.8	1.0	1068.0	0.1	0.0	3419.2	3419.2	484.7	0.0	0.0
VENEZUELA	568.5	1.3	739.0	0.6	0.0	438.8	438.8	337.0	0.0	0.0
BRAZIL	179.2	1.1	1971.3	0.1	0.0	840.9	840.9	82.3	0.0	0.0
ARGENTINA	5135.7	1.0	5135.7	0.1	0.0	4944.7	4944.7	425.5	0.0	0.0
OTHER S. AMERICA	113.3	2.8	311.6	0.2	0.0	156.8	156.8	0.0	158.7	0.0
ULV-ED MEXICO	493.0	2.0	986.0	0.8	0.0	1316.6	1316.6	342.0	158.8	0.0
CENTRAL PLAN HQ	4194.4	3.0	12589.6	10.3	0.0	12463.3	12463.3	1014.3	1921.6	0.0
LESS DEV-ED HQ	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1087.2	949.3	0.0
WORLD TOTAL	89630.4	1.3	115984.9	89.7	0.0	114683.4	114683.4	6058.8	5407.4	0.0
	94029.3	1.4	129244.4	100.0	0.0	129106.7	129106.7	6165.3	6271.3	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD ONLY, THE IMBALANCE FOR JAPAN AND FOR THE WORLD TOTAL RESULTS FROM EXCLUDING EXPORTS OF SPECIALTY RICE IN MODEL SOLUTION AS THIS RICE IS NOT CONSIDERED TO AFFECT WORLD EQUILIBRIUM PRICES.

SOURCES: FOREIGN AGRICULTURAL SERVICE AND ECONOMIC, STATISTICS, AND COOPERATIVES SERVICE, USDA.

OILMEAL UTILIZATION

REGION	AREA HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
	1,000			PERCENT			1,000 METRIC TONS			
UNITED STATES	14959.1	1.2	17919.6	45.1	13042.5	0.0	13042.5	0.0	4477.1	0.0
CANADA	3462.4	0.4	1500.2	3.8	743.4	0.0	743.4	0.0	734.4	0.0
EUROPE	0.0	0.0	549.0	1.4	9376.0	0.0	9376.0	8027.8	0.0	0.0
EUROPE	0.0	0.0	546.1	1.4	2835.6	0.0	2835.6	2289.4	0.0	0.0
OTHER EUROPE	550.4	1.7	934.0	2.3	3220.7	0.0	3220.7	2294.7	0.0	0.0
SOUTH AMERICA	0.0	0.0	700.0	1.8	395.2	0.0	395.2	0.0	304.4	0.0
JAPAN	0.0	0.0	992.1	2.5	935.5	720.3	1655.8	663.6	0.0	0.0
AUSTRALIA	260.0	0.3	76.2	0.2	0.0	145.4	145.4	69.2	0.0	0.0
EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	644.5	0.0	0.0
EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	321.5	0.0
EUROPE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	200.0	0.0	0.0
INDONESIA	1072.2	0.5	535.1	1.3	0.0	173.8	173.8	0.0	0.0	0.0
EAST ASIA HIGH	477.2	0.3	150.2	0.4	743.1	0.0	743.1	588.8	0.0	0.0
EAST ASIA LOW	0.0	0.0	209.8	0.5	0.0	0.0	0.0	0.0	0.0	0.0
INDIA	15176.4	0.2	3675.6	9.2	2602.2	0.0	2602.2	0.0	209.4	0.0
N. AM. - M. EST HIGH	0.0	0.0	0.0	0.0	1228.2	0.0	1228.2	1228.2	0.0	0.0
CENTRAL AMERICA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1497.6	0.0
MIDDLE AMERICA	531.0	1.5	782.6	2.0	1590.4	0.0	1590.4	807.8	0.0	0.0
BRASIL	6572.1	0.9	6127.1	15.4	1191.0	0.0	1191.0	0.0	4934.1	0.0
ARGENTINA	2794.0	0.5	1287.5	3.2	0.0	197.1	197.1	0.0	1090.4	0.0
OTHER S. AMERICA	423.0	0.3	3772.0	9.5	202.7	0.0	202.7	0.0	3500.3	0.0
DEV-ED REGION	19232.4	1.2	23217.2	58.4	30557.6	865.7	31423.3	14144.9	5914.4	0.0
CENTRAL PLAN. HG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1044.5	321.5	0.0
LESS DEV-ED HG	27051.6	0.6	16544.0	41.6	7557.5	370.0	7927.5	2624.0	12734.1	0.0
WORLD TOTAL	46283.9	0.9	39761.2	100.0	38115.3	1236.5	39351.8	17814.2	18994.2	0.0

NOTE: THE PERCENT OF WORLD SUPPLY DOES NOT INCLUDE THOSE REGIONS FOR WHICH PRODUCTION WAS NOT PROJECTED. FOR THE PROJECTED PERIOD, WORLD TRADE IMBALANCE REFLECTS THE REST OF WORLD WHICH WAS NOT SPECIFIED.

SOURCES: FOREIGN AGRICULTURAL SERVICE AND ECONOMICS, STATISTICS, AND COOPERATIVES SERVICE, USDA.

SOYBEANS UTILIZATION

REGION	AREA 1,000 HECTARES	YIELD METRIC TONS PER HECTARE	PRODUCTION 1,000 METRIC TONS	PERCENT OF WORLD SUPPLY	FEED USAGE	FOOD & OTHER USAGE	TOTAL USAGE	IMPORTS	EXPORTS	STOCKS
				PERCENT	----- 1,000 METRIC TONS -----					
UNITED STATES	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
JAPAN	155.1	0.0	127.9	100.0	0.0	1028.2	1028.2	0.0	0.0	0.0
DEV-ED REGION	155.1	0.0	127.9	100.0	0.0	1028.2	1028.2	0.0	0.0	0.0
CENTRAL PLAN NG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
LESS DEV-ED NG	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WORLD TOTAL	155.1	0.0	127.9	100.0	0.0	1028.2	1028.2	0.0	0.0	0.0

Appendix I. Naming Convention for Variable Codes.

VARIABLE SPECIFICATION

An 8-place code is employed for specifying the price, quantity, and international trade interactions corresponding to 14 commodities, plus land area, for 28 regions of the world. The notation is standard for all commodities and regions.

In the code, the first and second characters identify region or country, the third and fourth designate function, such as demand or supply, the fifth and sixth identify the commodity, and the seventh and eighth specify the currency in which prices, incomes, or values are measured.

Endogenous Variables

The code for endogenous variables identifies region, economic function, commodity, and currency. The first two spaces (1 and 2) together constitute a regional code:

US-	United States
CN-	Canada
C6-	EC, Original Six
C3-	EC, New Three
WE-	Other Western Europe
JP-	Japan
AZ-	Oceania
SF-	South Africa
EE-	Eastern Europe
SV-	Soviet Union
CH-	People's Republic of China
MC-	Middle America
AR-	Argentina
BZ-	Brazil
VN-	Venezuela
LA-	Other South America
NH-	High-income North Africa and Middle East
NL-	Low-income North Africa and Middle East
EF-	East Africa

CF- Central Africa
 ND- India
 OS- Other South Asia
 TH- Thailand
 OE- Other Southeast Asia
 DO- Indonesia
 EH- High-income East Asia
 EL- Low-income East Asia
 RW- Rest of world

The second two spaces (3 and 4) are functional indicators:

-HA- Area in hectares
 -QD- Quantity demanded
 -QS- Quantity supplied
 -QT- Quantity traded internationally or interregionally, net. Imports are negative, exports are positive.
 -PD- Demand price
 -PS- Supply price
 -PT- Trade price
 -PL- Levy price (variable levy)
 -CO- Consumption quantity
 -EQ- Equilibrium condition
 -DS- Demand-supply equilibrium
 -SD- Supply-demand equilibrium
 -RP- Regional price
 -ST- Relationship between a supply price and a trade price
 -DT- Relationship between a demand price and a trade price

The third two spaces (5 and 6) signify commodities. Space 5 gives the broad designation, with further breakdown indicated in space 6:

-B.- Beef, including veal
 -BT- Beef, table

- BP- Beef, process
- P.- Pork
- Z.- Poultry
- V.- Mutton, including lamb and goat
- L.- Milk and dairy products
- LM- Fluid milk
- LB- Butter
- LC- Cheese
- E.- Eggs
- G.- Total grain
- GH- Grain for human demand
- GF- Grain for livestock feed
- W.- Wheat
- WH- Wheat for human demand
- WF- Wheat for livestock feed
- R.- Rice
- RH- Rice for human demand
- C.- Coarse grains
- CH- Coarse grains for human demand
- CF- Coarse grains for livestock feed
- K.- Oilseeds, meal equivalent, including principally soybeans
- KH- Oilseeds for human demand
- KF- Oilseeds for livestock feed
- S.- Soybeans, meal equivalent
- SH- Soybeans for human demand

In the context of land area (-HA-), spaces 5 and 6 have the following significance:

- T.- Total

The fourth two spaces (7 and 8) comprise a currency code, independently specified for each region:

- CD U.S. dollar
- CC Canadian dollar
- CU European Community unit of account (=U.S. dollar in 1970)
- CE Dollar equivalent
- CY Japanese yen
- CA Australian dollar
- CP Argentine new peso

Appendix II. Composition of World GOL Regions.

Region	: Code :	Composition
I. Developed Countries:		
United States	US	United States
Canada	CN	Canada
EC-6	C6	Belgium, France, West Germany, Italy, Luxembourg, Netherlands
EC-3	C3	Denmark, Ireland, United Kingdom
Other Western Europe	WE	Austria, Finland, Greece, Iceland, Malta, Norway, Portugal, Spain, Sweden, Switzerland
Japan	JP	Japan
Oceania	AZ	Australia, New Zealand
South Africa	SF	Botswana, Lesotho, Namibia, Republic of South Africa, Swaziland
II. Centrally Planned Countries:		
Eastern Europe	EE	Albania, Bulgaria, Czechoslovakia, East Germany, Hungary, Poland, Romania, Yugoslavia
Soviet Union	SV	Soviet Union
China	CH	People's Republic of China
III. Developing Countries:		
Middle America	MC	Mexico, Bahamas, Bermuda, Costa Rica, Dominican Republic, El Salvador, Guatemala, Haiti, Honduras, British Honduras, Jamaica, Nicaragua, Panama, Trinidad & Tobago, Other Caribbean Islands
Argentina	AR	Argentina
Brazil	BZ	Brazil
Venezuela	VN	Venezuela
Other South America	LA	Bolivia, Chile, Colombia, Ecuador, French Guiana, Paraguay, Peru, Surinam, Uruguay

Continued

Region	: - : : Code : : : :	Composition
High-income North Africa and Middle East	NH	Algeria, Bahrain, Cyprus, Iran, Iraq, Israel, Kuwait, Libya, Oman, Qatar, Saudi Arabia, United Arab Emirates
Low-income North Africa and Middle East	NL	Egypt, Jordan, Lebanon, Morocco, Sudan, Syria, Tunisia, Turkey, Yemen (Aden), Yemen (Sana)
East Africa	EF	Kenya, Malagasy Republic, Malawi, Mozambique, Rhodesia, Tanzania, Uganda, Zambia
Central Africa	CF	Angola, Burundi, Camaroon, Central African Empire, Chad, Congo, Ethiopia, Djibouti, Benin, Gabon, Gambia, Ghana, Guinea, Equatorial Guinea, Guinea-Bissau, Ivory Coast, Liberia, Mali, Mauritania, Mauritius, Niger, Nigeria, Reunion, Rwanda, Senegal, Sierra Leone, Somalia, Togo, Upper Volta, Zaire
India	ND	India
Other South Asia	OS	Afghanistan, Bangladesh, Bhutan, Nepal, Pakistan, Sri Lanka
Thailand	TH	Thailand
Other Southeast Asia	OE	Burma, Cambodia, Laos, South Vietnam <u>1/</u>
Indonesia	DO	Indonesia
High-income East Asia	EH	Hong Kong, Singapore, South Korea, Taiwan, Brunei
Low-income East Asia	EL	Malaysia, Philippine Islands
Rest of world	RW	North Korea, North Vietnam <u>1/</u> , Mongolia, Cuba, Pacific Islands, Papua-New Guinea

1/ The model was designed before the reunification of North and South Vietnam into the People's Republic of Vietnam.

* NATIONAL AGRICULTURAL LIBRARY



1022438705

NATIONAL AGRICULTURAL LIBRARY



1022438705